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Ohio Labor Market Information

Labor Market Review

September 1989

Summary. The seasonally adjusted unemployment rate in Ohio rose from 4.8 percent in August to 5.0 percent in September. Nationwide, the rate was 5.3 percent in September, up from 5.2 percent in August. Total employment in Ohio, at an all-time high of 5,216,000, was up 7,000 from August. Total unemployment rose 15,000 to 275,000. Gains in nonmanufacturing employment were negated by decreases in manufacturing industries, leaving seasonally adjusted nonagricultural payroll employment virtually unchanged from August at 4,808,000. (See page 3.)

Factory Employment. Manufacturing employment in Ohio declined 2,000 from August to 1,105,000 in September. Losses in transportation equipment were mainly responsible for durable-goods employment falling 3,000 to 745,000. Nondurable-goods employment, at 361,000, was up 1,000 from August due to an increase in food and kindred products.

Nonmanufacturing. Despite a decrease of 5,000 in government, Ohio's nonmanufacturing employment rose 3,000 from August to 3,702,000 in September. Employment in services increased 4,000. Construction, wholesale trade, retail trade, and finance, insurance, and real estate each added 1,000 jobs. There was no change in employment in mining or in transportation and public utilities.

Over the Year. The unemployment rate in Ohio fell from 5.8 percent in September 1988 to 5.0 percent in September 1989. The U.S. rate slipped from 5.4 percent to 5.3 percent over the year. Ohio's total employment increased 212,000 from September 1988. There were 32,000 fewer unemployed Ohioans in September 1989 than in September 1988. Nonfarm wage and salary employment rose 116,000 from September 1988. Services gained 50,000, while retail trade was up 32,000. Notable growth also occurred in construction, which was up 14,000. Small advances in both durable- and nondurable-goods industries boosted manufacturing employment 2,000.

Factory Hours and Earnings. Production workers in manufacturing industries in Ohio had average weekly earnings of $528.15 in September, up $13.27 from August. Their average workweek increased .7 hours to 42.8 hours. Nearly all industries had increased earnings due to more overtime. The most significant were motor vehicles and equipment, metal forgings and stampings, miscellaneous plastics products, and iron and steel foundries.

Benefits and Costs. In September, there were 44,673 initial claims filed under the Ohio Unemployment Compensation Law, down 12.0 percent from August, but up 24.0 percent from September 1988. The average benefit check of $161.09 increased $1.41. Total benefits paid fell 18.9 percent to $34.9 million. The average weekly number of benefit recipients, at 53,978,

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

was down 9.7 percent from August. At the end of September there were 204,610 active employer accounts.

Employment Service. The Ohio Bureau of Employment Services helped 32,204 new job applicants in September, down 26.3 percent from August, and down 11.9 percent from September of 1988. Job openings received from employers dropped 74.4 percent from August to 11,497. The Employment Services Division made 25,216 job referrals and 5,770 placements.

Ohio Labor Market Information Directory

The Labor Market Information Division of the Ohio Bureau of Employment Services has announced the publication of the second edition of the *Ohio Labor Market Information Directory*. This directory is designed to identify and describe sources of labor market information in Ohio. Labor market information is data about jobs and workers, and it consists of demographic, labor force, occupational and industry information.

The *Directory* provides general direction for those who need specific types of labor market information, as well as those who are uncertain about the information they are seeking. Publications are listed by the agency which produces them and by the subject matter of each report. A glossary provides a definition of each term used throughout the *Directory* and order blanks for publications are included.

To order your free copy of the *Directory*, call the LMI Division at (614) 644-2689, or write:

OBES - LMI Division
Attn: Statistical Services
145 S. Front St.
Columbus, OH 43215

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Labor Force Projections, 1985-1995

Ohio Labor Force Projections, 1985-1995, a new publication from the Labor Market Information Division, presents an analysis of the work force expected to be available in Ohio in 1995 and compares it to earlier years. According to the report, employment will increase by an average of about 46,000 each year, while the labor force will grow by about 25,500 workers. Ohio's unemployment rate may fall as new jobs are filled by unemployed workers, and employers may experience increasing difficulty in finding workers.

The labor force in the State is growing at a slower rate than in the past, with smaller numbers of younger and older workers and larger numbers of women and minority workers, according to the new report.

Highlights of the projections include the following:

- Ohio's labor force growth will slow to about 5.0 percent between 1985 and 1995, compared to 8.8 percent for the previous decade. The number of persons in the labor force will increase by about 255,000.
- The number of 16 to 24 year old workers in the labor force will drop by about 176,000 between 1985 and 1995 reflecting the decrease in births after the end of the "baby boom" in the 1960's.
- The number of Ohio workers aged 55 and older will drop by 149,000 between 1985 and 1995, reflecting a small decline in the population in this age group and a trend toward earlier retirement, especially by men.
- The number of "prime-aged" workers, those aged 25 to 54, will increase sharply as the "baby-boom" generation completes its move into this age group. These workers will make up nearly three-fourths of Ohio's labor force by 1995, compared to about two-thirds in 1985.
- The number of women workers will continue to grow. In 1995, women will comprise nearly 47 percent of Ohio's work force, up from 43.5 percent in 1985. Labor force participation of women will continue to rise; by 1995, more than 57 percent of Ohio's women will be in the work force.
- An increasing share of Ohio's workers will be minorities. By 1995, nonwhite workers are expected to make up 11.7 percent of Ohio's work force, compared with 10.5 percent in 1985. The number of minority workers will grow faster than the number of white workers because of faster population growth and increasing labor force participation. Nonwhite women will be the fastest growing group in the work force, experiencing a 23.0 percent change over the decade. The number of white men in the laborforce is expected to decline.

The labor force projections are based on population projections prepared by the Ohio Department of Development, and analysis of trends in labor force participation in Ohio and nationally. National labor force projections published by the U.S. Bureau of Labor Statistics aided in the analysis. In addition to statewide data, the report presents labor force projections for Ohio's eight large metropolitan areas. Projections are available on request for local Job Training Partnership Act (JTPA) Service Delivery Areas. Projections of the number and types of jobs expected in Ohio's economy in 1995 were released by OBES last year and area available by request.

Copies of the complete report are available on request from the OBES Labor Market Information Division at (614) 644-2689.

Ohio Labor Force Projections by Age
(thousands)

Age	1985	Percent Distribution	1995	Percent Distribution	Change 1985-1995	Percent Change
Total Labor Force	5,139	100.0	5,394	100.0	255	5.0
16-24	1,062	20.7	886	16.4	-176	-16.6
25-34	1,514	29.5	1,494	27.7	-20	-1.4
35-44	1,113	21.7	1,506	27.9	393	35.3
45-54	761	14.8	970	18.0	209	27.4
55-64	570	11.1	452	8.4	-118	-20.7
65 and older	118	2.3	87	1.6	-31	-26.5

Ohio Labor Force Projections by Sex and Race
(thousands)

Sex and Race	1985	Percent Distribution	1995	Percent Distribution	Change 1985-1995	Percent Change
Total Labor Force	5,139	100.0	5,394	100.0	255	5.0
White	4,601	89.5	4,764	88.3	163	3.5
Nonwhite	538	10.5	629	11.7	91	16.9
Male Labor Force	2,904	56.5	2,877	53.3	-27	-0.9
White	2,634	51.3	2,577	47.8	-57	-2.2
Nonwhite	270	5.3	298	5.5	28	10.4
Female Labor Force	2,235	43.5	2,517	46.7	282	12.6
White	1,967	38.3	2,188	40.6	221	11.2
Nonwhite	269	5.2	331	6.1	62	23.0

Seasonally Adjusted Civilian Labor Force and Nonagricultural Wage and Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	September 1989	August 1989	September 1988	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,491	5,469	5,311	22	180	0.4	3.4
Employment	5,216	5,209	5,004	7	212	0.1	4.2
Unemployment	275	260	307	15	-32	5.8	-10.4
Unemployment Rate	5.0	4.8	5.8				
Employer Survey Data[e]							
Total	4,808	4,807	4,691	0	116	0.0	2.5
Manufacturing	1,105	1,108	1,103	-2	2	-0.2	0.2
Durable Goods	745	748	743	-3	1	-0.4	0.2
Nondurable Goods	361	360	359	1	1	0.2	0.3
Nonmanufacturing	3,702	3,700	3,589	3	114	0.1	3.2
Mining	20	20	19	0	0	-0.3	1.4
Construction	197	197	184	1	14	0.3	7.5
Transportation and Public Utilities	215	215	212	0	2	-0.2	1.2
Wholesale Trade	264	263	256	1	7	0.2	2.8
Retail Trade	912	910	880	1	32	0.2	3.6
Finance, Insurance, and Real Estate	257	256	251	1	6	0.3	2.5
Services	1,144	1,140	1,095	4	50	0.4	4.6
Government	694	698	691	-5	2	-0.7	0.3
Goods Producing Industries[f]	1,322	1,324	1,306	-2	17	-0.1	1.3
Service Producing Industries[g]	3,485	3,483	3,386	2	100	0.1	2.9

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel.

[b]Changes are computed from unrounded numbers.

[c]Percentages are computed from unrounded numbers.

[d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics.

[e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.

[f]Includes Mining, Construction, and Manufacturing.

[g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance, and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
5,213	4,921	292	5.6	5.9
5,231	4,910	321	6.1	6.0
5,270	4,946	324	6.1	5.9
5,279	4,949	330	6.3	5.8
5,324	4,981	343	6.4	5.8
5,355	5,014	341	6.4	5.7
5,369	4,974	395	7.4	5.6
5,301	4,970	331	6.2	5.5
5,284	4,960	324	6.1	5.6
5,306	4,994	312	5.9	5.4
5,294	5,004	290	5.5	5.4
5,329	5,028	301	5.6	5.6
5,311	5,004	307	5.8	5.4
5,349	5,049	300	5.6	5.3
5,366	5,059	307	5.7	5.4
5,355	5,060	295	5.5	5.3
5,426	5,094	332	6.1	5.4
5,432	5,152	280	5.2	5.1
5,428	5,144	284	5.2	5.0
5,381	5,093	288	5.4	5.3
5,434	5,138	296	5.4	5.2
5,490	5,183	307	5.6	5.3
5,450	5,157	293	5.4	5.2
5,469	5,209	260	4.8	5.2
5,491	5,216	275	5.0	5.3

Ohio Nonagricultural Wage and Salary Employment

(in thousands)

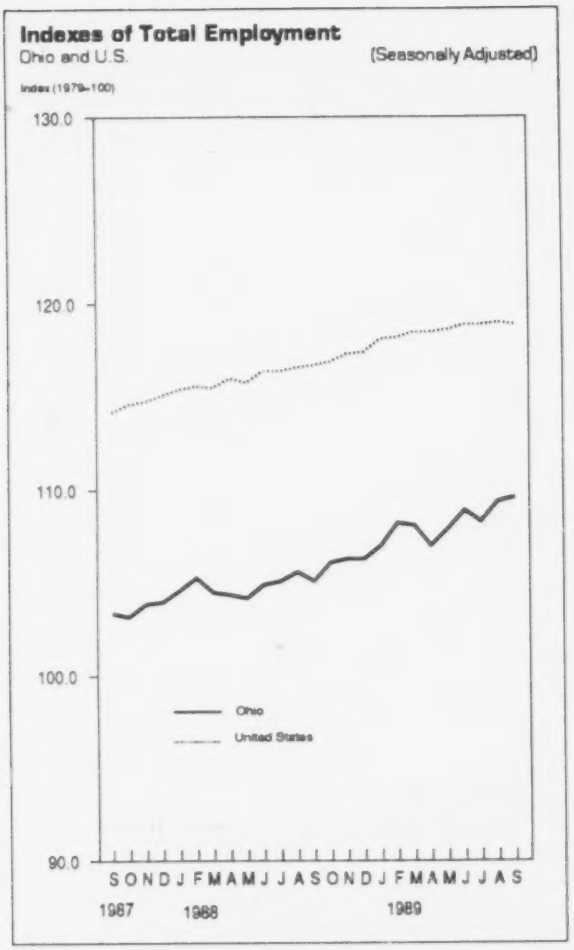
	Total Nonagricultural Employment	Manufacturing Employment		
			Durable	Nondurable
1987				
September	4,596	1,101	743	358
October	4,617	1,105	745	360
November	4,631	1,106	746	360
December	4,650	1,110	748	362
1988				
January	4,637	1,104	744	360
February	4,644	1,103	743	359
March	4,653	1,097	737	360
April	4,656	1,101	742	360
May	4,661	1,100	742	359
June	4,671	1,102	742	360
July	4,676	1,101	742	359
August	4,680	1,100	741	358
September	4,691	1,103	743	359
October	4,704	1,105	746	360
November	4,721	1,110	750	361
December	4,733	1,111	750	362
1989				
January	4,764	1,122	757	364
February	4,772	1,118	754	364
March	4,777	1,114	751	363
April	4,778	1,110	748	362
May	4,780	1,107	747	360
June	4,786	1,107	746	361
July	4,787	1,100	740	359
August	4,807	1,108	748	360
September	4,808	1,105	745	361

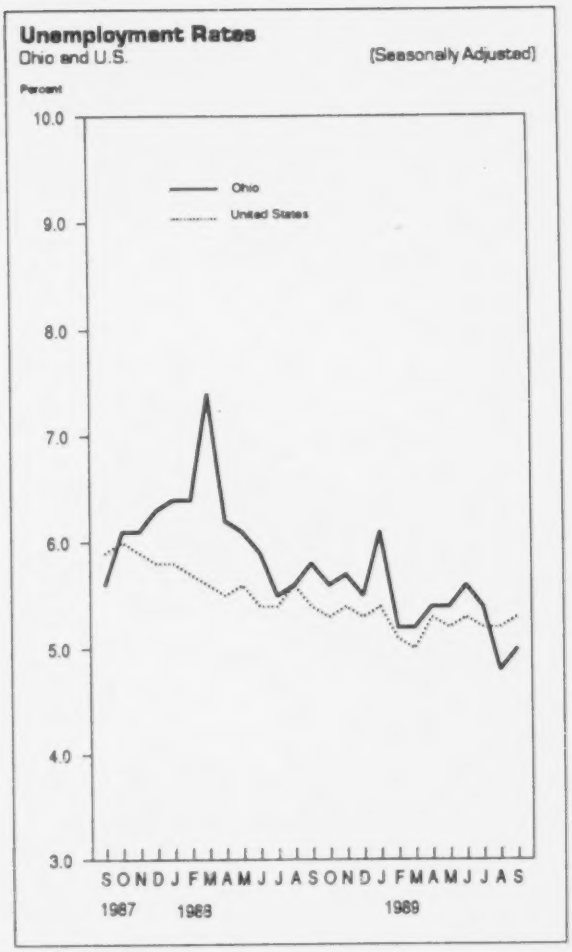
Nonmanufacturing Employment

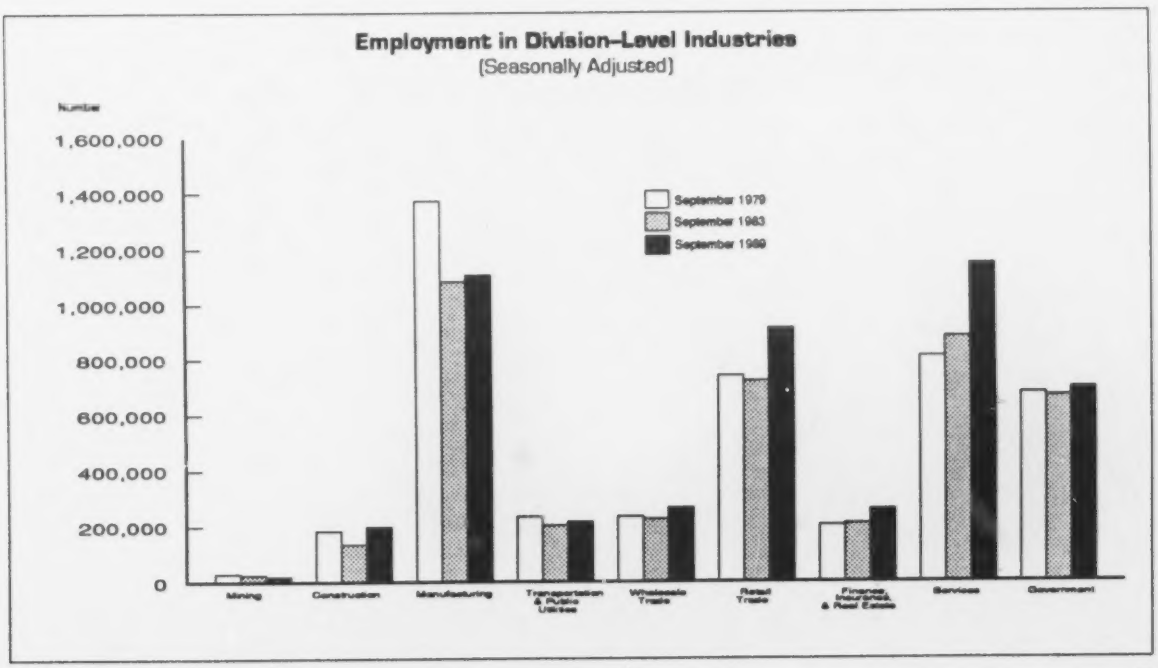
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,495	20	177	209	249	1987 September	850	246	1059	685
3,512	21	178	209	251	October	856	247	1062	688
3,525	21	180	210	251	November	860	247	1067	691
3,540	21	183	210	252	December	863	248	1073	691
3,533	20	181	210	251	1988 January	865	247	1068	691
3,542	20	182	210	251	February	868	247	1073	690
3,557	19	185	211	252	March	872	248	1078	692
3,555	20	183	211	252	April	870	249	1079	691
3,561	19	182	211	253	May	871	249	1083	692
3,569	19	182	211	254	June	874	249	1087	692
3,575	19	182	212	255	July	876	250	1089	692
3,581	20	183	212	256	August	878	251	1093	689
3,589	19	184	212	256	September	880	251	1095	691
3,599	19	184	212	257	October	884	252	1097	693
3,611	19	186	213	258	November	887	252	1102	694
3,622	19	188	213	258	December	889	252	1108	693
3,642	19	196	213	259	1989 January	896	253	1112	693
3,654	19	197	213	260	February	899	254	1116	696
3,663	19	197	214	260	March	903	254	1120	696
3,668	19	196	215	261	April	902	255	1125	695
3,672	19	196	214	261	May	902	255	1129	696
3,679	20	197	214	261	June	906	255	1132	694
3,688	17	197	214	262	July	908	255	1136	698
3,700	20	197	215	263	August	910	256	1140	698
3,702	20	197	215	264	September	912	257	1144	694

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January *Labor Market Review*.


Indexes of Total Employment
Ohio and U.S.
(Seasonally Adjusted)
Index (1979=100)
130.0
120.0
110.0
100.0
90.0
Ohio
United States
S O N D J F M A M J J A S O N D J F M A M J J A S
1987
1988
1989


Unemployment Rates
Ohio and U.S.
(Seasonally Adjusted)
Percent
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
Ohio
United States
S O N D J F M A M J J A S O N D J F M A M J J A S
1987
1988
1989


Employment in Division-Level Industries
(Seasonally Adjusted)
Number
1,600,000
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
September 1979
September 1983
September 1989
Mining
Construction
Manufacturing
Transportation & Public Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, & Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates
(in thousands)

Civilian Labor Force			Unemployment Rates	
Total	Employed	Unemployed	Ohio	U.S.
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,232	4,806	425	8.1	7.0
5,254	4,887	367	7.0	6.2
5,328	5,008	320	6.0	5.5
5,287	4,985	302	5.7	5.2
5,365	5,087	278	5.2	5.0
5,400	5,113	287	5.3	5.2
5,352	5,066	286	5.4	5.0
5,384	5,015	369	6.9	6.0
5,380	5,063	317	5.9	5.6
5,375	5,068	307	5.7	5.2
5,357	5,085	273	5.1	5.1
5,419	5,143	277	5.1	5.0
5,537	5,216	321	5.8	5.5
5,526	5,248	277	5.0	5.3
5,517	5,257	261	4.7	5.1
5,460	5,192	269	4.9	5.1

Ohio Nonagricultural Wage and Salary Employment
(in thousands)

	Total Nonagricultural Employment			
		Manufacturing Employment		
			Durable	Nondurable
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,582.6	1,098.9	740.4	358.4
1988	4,683.0	1,103.1	743.6	359.6
1988				
September	4,731.7	1,110.5	745.6	364.9
October	4,757.7	1,110.3	747.8	362.5
November	4,834.7	1,115.7	753.3	362.3
December	4,781.8	1,115.1	752.5	362.6
1989				
January	4,669.0	1,112.2	751.4	360.8
February	4,671.4	1,107.3	747.9	359.4
March	4,707.6	1,106.9	748.1	358.8
April	4,761.0	1,107.1	748.4	358.7
May	4,811.3	1,107.5	748.7	358.8
June	4,831.8	1,112.5	750.8	361.7
July	4,791.5	1,099.6	739.6	360.0
August	4,807.2	1,109.4	746.3	363.1
September	4,848.5	1,112.9	747.0	365.9

Nonmanufacturing Employment
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.7	20.9	176.4	207.8	248.0	1987	848.3	243.8	1,051.2	687.3
3,579.8	19.5	183.6	211.5	254.3	1988	876.5	249.8	1,087.8	696.8
3,621.2	19.8	202.0	214.8	256.5	1988				
3,647.4	19.8	203.0	215.0	258.4	September	888.2	251.8	1,109.8	678.3
3,719.0	19.7	197.4	214.7	258.5	October	891.8	252.1	1,105.1	702.2
3,666.6	19.5	188.0	215.3	259.1	November	906.0	252.1	1,102.1	768.5
					December	921.4	252.4	1,101.0	710.0
3,556.9	18.9	167.0	208.7	256.9	1989				
3,564.1	18.6	162.2	208.5	256.9	January	877.0	250.3	1,083.4	694.5
3,600.8	18.7	170.8	209.7	257.8	February	867.2	250.8	1,091.8	708.0
3,653.9	19.0	184.7	212.8	259.7	March	876.3	251.5	1,103.0	712.9
3,703.7	19.2	197.0	214.3	261.3	April	889.8	253.1	1,125.5	709.3
3,719.4	19.8	206.5	216.0	263.1	May	904.2	254.6	1,138.7	714.4
3,692.0	17.0	215.0	216.0	263.8	June	912.5	257.0	1,149.9	694.5
3,697.8	20.1	218.0	217.0	263.8	July	913.8	258.5	1,151.2	656.5
3,735.6	20.1	217.2	217.3	263.8	August	918.6	259.0	1,152.6	648.7
					September	920.0	258.1	1,159.2	679.8

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Manufacturing Employment, Hours, and Earnings[a]

Manufacturing Employment

Total (thousands)	Durable Goods (thousands)	Nondurable Goods (thousands)
1,377.2	974.5	402.7
1,382.3	980.5	401.8
1,264.3	882.6	381.8
1,232.6	860.4	372.2
1,099.9	752.4	347.5
1,066.0	723.6	342.4
1,127.0	773.4	353.6
1,124.3	768.7	355.5
1,109.8	752.7	357.1
1,098.9	740.4	358.4
1,103.1	743.6	359.6
1,110.5	745.6	364.9
1,110.3	747.8	362.5
1,115.7	753.3	362.3
1,115.1	752.5	362.6
1,112.2	751.4	360.8
1,107.3	747.9	359.4
1,106.9	748.1	358.8
1,107.1	748.4	358.7
1,107.5	748.7	358.8
1,112.5	750.8	361.7
1,099.6	739.6	360.0
1,109.4	746.3	363.1
1,112.9	747.0	365.9

Production Workers in Manufacturing

	Production Workers (thousands)	Aggregate Weekly Payroll (millions)	Aggregate Weekly Hours (millions)
1978	985.5	$302.5	41.5
1979	979.0	318.5	40.6
1980	867.8	301.9	35.2
1981	847.7	330.4	34.7
1982	735.7	297.1	29.5
1983	721.6	315.4	29.9
1984	781.5	362.3	33.1
1985	773.4	369.7	32.5
1986	758.5	369.1	31.9
1987	751.4	375.5	32.0
1988	759.1	391.7	32.6
1988			
September	765.9	399.6	33.2
October	765.5	400.4	33.1
November	771.1	410.1	33.7
December	770.1	411.5	33.7
1989			
January	766.2	404.1	33.1
February	762.0	400.1	32.8
March	761.4	400.2	32.7
April	761.4	397.0	32.5
May	761.1	397.5	32.5
June	764.1	402.9	32.8
July	750.5	383.3	31.5
August	759.9	391.3	32.0
September	764.2	403.6	32.7

Production Worker Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods
$306.91	$316.83	$279.30
325.36	335.30	297.78
347.94	358.57	319.99
389.78	401.64	358.16
403.81	414.80	378.95
437.18	452.35	402.52
463.61	482.38	417.83
477.96	499.56	425.80
486.68	507.95	439.71
499.70	519.52	455.03
516.00	538.59	465.47
521.77	545.38	469.63
523.06	546.69	467.84
531.83	557.80	472.43
534.36	557.80	479.62
527.47	551.06	472.36
525.03	547.67	472.63
525.53	549.41	470.50
521.37	542.59	473.71
522.22	543.46	471.86
527.24	546.05	480.48
510.72	526.66	472.79
514.88	530.87	476.74
528.15	544.83	489.60

Production Worker Average Weekly Hours

	Manufacturing	Durable Goods	Nondurable Goods
1978	42.1	42.3	41.5
1979	41.5	41.6	41.1
1980	40.6	40.7	40.2
1981	40.9	40.9	40.7
1982	40.1	40.0	40.4
1983	41.4	41.5	41.2
1984	42.3	42.5	41.7
1985	42.0	42.3	41.3
1986	42.1	42.4	41.6
1987	42.6	42.9	41.9
1988	43.0	43.4	42.2
1988			
September	43.3	43.7	42.5
October	43.3	43.7	42.3
November	43.7	44.2	42.6
December	43.8	44.2	42.9
1989			
January	43.2	43.7	42.1
February	43.0	43.5	41.9
March	42.9	43.5	41.6
April	42.7	43.2	41.7
May	42.7	43.2	41.5
June	42.9	43.2	42.0
July	42.0	42.2	41.4
August	42.1	42.3	41.6
September	42.8	42.9	42.5

Production Worker Average Hourly Earnings

	Manufacturing	Durable Goods	Nondurable Goods
1978	$ 7.29	$ 7.49	$ 6.73
1979	7.84	8.06	7.25
1980	8.57	8.81	7.96
1981	9.53	9.82	8.80
1982	10.07	10.37	9.38
1983	10.56	10.90	9.77
1984	10.96	11.35	10.02
1985	11.38	11.81	10.31
1986	11.56	11.98	10.57
1987	11.73	12.11	10.86
1988	12.00	12.41	11.03
1988			
September	12.05	12.48	11.05
October	12.08	12.51	11.06
November	12.17	12.62	11.09
December	12.20	12.62	11.18
1989			
January	12.21	12.61	11.22
February	12.21	12.59	11.28
March	12.25	12.63	11.31
April	12.21	12.56	11.36
May	12.23	12.58	11.37
June	12.29	12.64	11.44
July	12.16	12.48	11.42
August	12.23	12.55	11.46
September	12.34	12.70	11.52

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment and Average Weekly Earnings in Selected Major Manufacturing Industries[a]

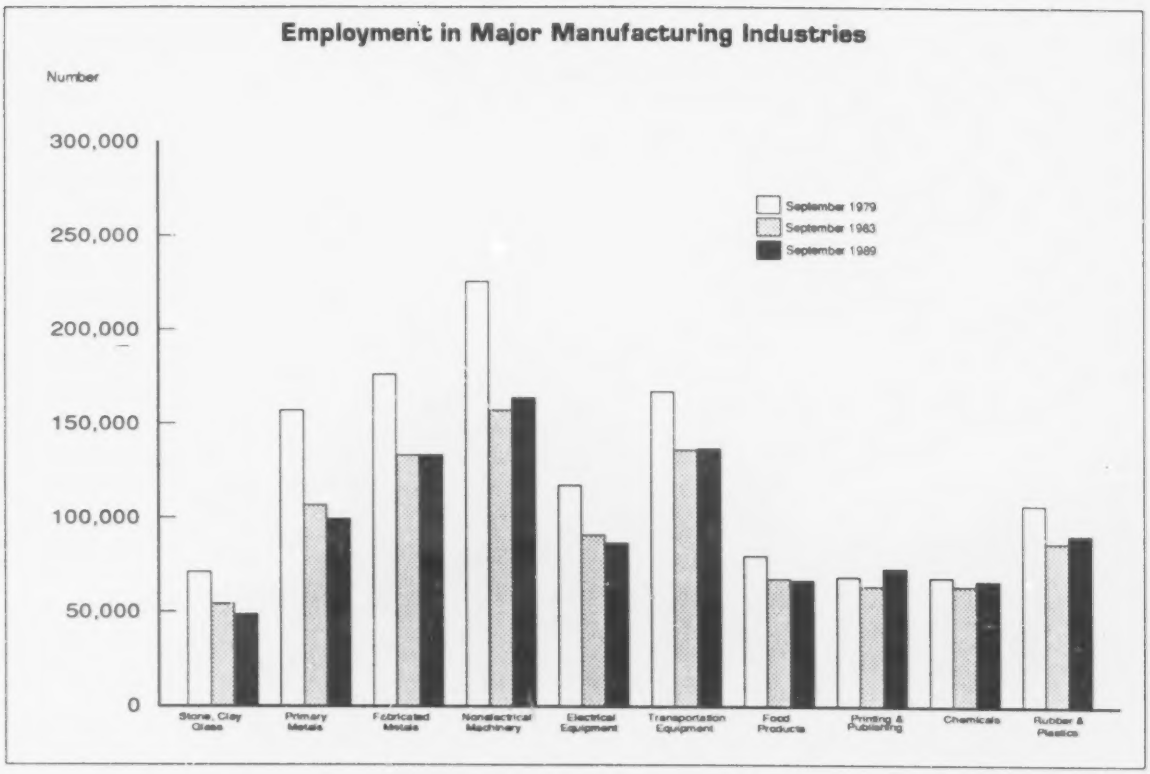
Employment
(thousands)

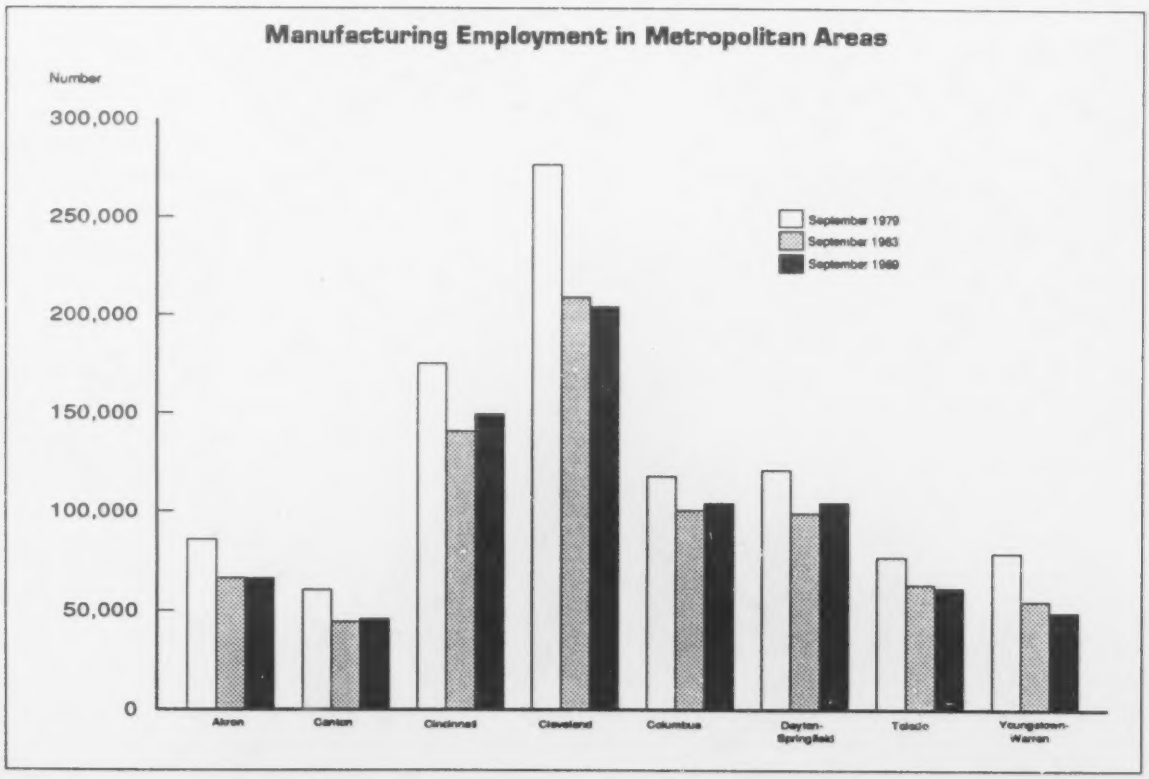
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.4	95.8	133.1	1987	155.2	86.7	149.0	1987	63.1	70.5	91.9
47.8	99.9	133.0	1988	158.7	86.3	141.8	1988	62.5	71.5	90.8
			1988				1988			
48.3	101.1	133.3	September	159.9	86.0	139.4	September	66.4	71.8	90.9
48.2	100.9	133.5	October	160.4	86.6	140.6	October	63.9	72.0	91.5
48.4	101.6	134.4	November	161.7	86.9	142.6	November	63.4	72.0	91.8
47.8	102.0	134.8	December	162.7	86.8	140.9	December	63.4	72.3	91.5
			1989				1989			
47.0	101.3	134.9	January	163.0	86.5	141.6	January	62.5	71.9	91.3
46.7	100.7	133.6	February	163.1	85.7	141.0	February	61.1	71.8	91.3
47.4	100.2	133.2	March	163.2	85.6	141.0	March	61.1	71.7	90.9
48.0	100.1	133.5	April	163.2	85.4	140.3	April	61.2	71.5	90.7
48.0	100.0	133.6	May	163.4	85.1	140.0	May	61.7	71.8	90.0
48.4	100.0	133.2	June	163.7	85.4	140.6	June	63.0	72.2	90.0
48.1	97.9	131.2	July	163.5	85.0	133.9	July	62.6	72.0	88.5
48.5	99.2	131.3	August	162.8	85.2	138.6	August	63.9	72.2	89.8
48.4	99.1	132.9	September	163.2	86.0	136.5	September	66.2	72.3	90.5

Average Weekly Earnings of Production Workers

$274.81	$366.24	$307.23	1978	$306.16	$268.45	$389.66	1978	$281.15	$285.18	$282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
463.30	626.44	516.77	1988	526.48	472.50	675.24	1988	446.04	445.22	448.24
			1988				1988			
470.42	632.80	517.97	September	530.64	474.47	698.88	September	446.45	452.63	453.96
468.47	628.60	522.97	October	537.14	470.12	699.79	October	440.37	448.33	454.14
473.90	639.77	531.29	November	545.13	477.99	717.02	November	452.83	449.80	459.46
463.01	636.55	531.73	December	549.70	484.65	721.82	December	456.89	463.65	459.72
			1989				1989			
462.34	629.95	520.22	January	551.15	481.38	702.15	January	441.08	445.02	460.42
463.49	619.89	512.40	February	543.22	470.40	714.48	February	440.18	451.61	451.93
465.38	621.72	511.20	March	545.43	468.34	724.23	March	449.35	454.31	442.68
470.98	624.34	512.48	April	541.11	464.26	683.99	April	455.20	447.70	446.69
464.88	620.64	515.82	May	538.74	462.73	691.75	May	455.10	446.18	453.05
472.01	632.19	507.53	June	536.36	460.37	712.80	June	469.79	447.30	462.03
472.01	605.52	499.62	July	521.00	448.34	676.24	July	462.00	449.26	447.72
476.87	612.14	490.69	August	519.78	458.97	688.97	August	468.00	450.45	446.04
472.86	619.87	509.78	September	534.87	456.44	733.72	September	470.55	471.51	461.39

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.


Employment in Major Manufacturing Industries
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
September 1979
September 1983
September 1989
Stone, Clay Glass
Primary Metals
Fabricated Metals
Nonelectrical Machinery
Electrical Equipment
Transportation Equipment
Food Products
Printing & Publishing
Chemicals
Rubber & Plastics


Manufacturing Employment in Metropolitan Areas
Number
300,000
250,000
200,000
150,000
100,000
50,000
0
September 1979
September 1983
September 1989
Akron
Canton
Cincinnati
Cleveland
Columbus
Dayton-Springfield
Toledo
Youngstown-Warren

Nonagricultural Wage and Salary Employment[a]

Ohio

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	4848.5	4807.2	4731.7	41.3	116.8
Manufacturing	1112.9	1109.4	1110.5	3.5	2.4
Durable Goods[e]	747.0	746.3	745.6	.6	1.4
Lumber and wood products	25.2	25.4	23.1	-.2	2.1
Furniture and fixtures	14.9	14.9	15.2	.0	-.3
Stone, clay, and glass products	48.4	48.5	48.3	-.1	.1
Glass and glassware, pressed or blown	8.9	9.8	8.6	.0	.3
Primary metal industries	99.1	99.2	101.1	.0	-2.0
Blast furnace and basic steel products	45.6	45.7	45.6	-.1	.1
Iron and steel foundries	19.7	19.6	20.3	.1	-.6
Nonferrous rolling and drawing	16.6	16.5	18.0	.1	-1.4
Fabricated metal products	132.9	131.3	133.3	1.6	-.4
Cutlery, hand tools, and hardware	9.6	9.5	10.2	.1	-.7
Fabricated structural metal products	28.5	28.3	28.3	.2	.3
Metal forgings and stampings	40.0	38.9	41.3	1.1	-1.3
Machinery, except electrical	163.2	162.8	159.9	.3	3.2
Construction and related machinery	13.6	13.8	13.6	-.1	.0
Metalworking machinery	43.5	43.5	41.5	.0	2.0
Special industry machinery	18.4	18.1	17.9	.3	.5
General industrial machinery	28.7	28.6	28.4	.1	.3
Office and computing machines	12.2	12.1	12.7	.1	-.5
Refrigeration and service machinery	15.9	16.1	16.1	-.2	-.2
Electric and electronic equipment	86.0	85.2	86.0	.9	.0
Electrical industrial apparatus	17.8	17.5	17.4	.2	.4
Household appliances	15.9	15.9	15.9	.0	.0
Electric lighting and wiring equipment	17.1	16.6	17.2	.5	-.1
Communication equipment	9.2	9.3	9.3	.0	-.1
Transportation equipment	136.5	138.6	139.4	-2.1	-2.9
Motor vehicles and equipment	91.2	93.5	94.1	-2.3	-2.9
Aircraft and parts	36.5	36.4	36.7	.1	-.2
Instruments and related products	24.8	24.6	24.2	.2	.5
Measuring and controlling devices	13.4	13.4	13.3	.1	.1
Nondurable Goods[f]	365.9	363.1	364.9	2.9	1.1
Food and kindred products	66.2	63.9	66.4	2.3	-.2
Meat products	8.8	8.8	8.9	.0	-.1
Dairy products	9.6	9.7	9.7	-.1	-.2
Preserved fruits and vegetables	14.8	12.3	14.4	2.5	.4
Bakery products	9.7	9.8	9.8	-.1	-.1
Beverages	8.9	9.0	9.4	-.1	-.6
Apparel and other textile products	16.1	16.0	15.6	.2	.5
Paper and allied products	37.1	37.1	36.9	.1	.2
Misc. converted paper products	12.0	12.0	12.2	-.1	-.2
Paperboard containers and boxes	13.4	13.3	13.0	.2	.4
Printing and publishing	72.3	72.2	71.8	.1	.6
Newspapers	18.8	18.7	18.9	.0	-.1
Commercial printing	28.6	28.4	28.2	.1	.4
Chemicals and allied products	66.0	66.3	65.2	-.3	.8
Industrial inorganic chemicals	8.7	8.9	9.1	-.2	-.4
Rubber and misc. plastics products	90.5	89.8	90.9	.7	-.4
Tires and inner tubes	14.4	14.4	14.8	.0	-.4
Miscellaneous plastics products	55.9	55.5	56.1	.4	-.2

See footnotes on page 15.

Nonagricultural Wage and Salary Employment[a]

Ohio (continued)

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Nonmanufacturing	3735.6	3697.8	3621.2	37.8	114.4
Mining	20.1	20.1	19.8	.0	.3
Bituminous coal and lignite mining	8.0	8.0	8.0	.0	.0
Oil and gas extraction	6.7	6.7	6.7	.0	.0
Construction	217.2	218.0	202.0	-.8	15.2
General building contractors	53.5	54.1	50.5	-.6	3.0
Heavy construction contractors	29.5	29.3	27.6	.3	1.9
Highway and street construction	11.8	11.5	11.2	.2	.6
Special trade contractors	134.2	134.6	123.9	-.4	10.3
Transportation and Public Utilities	217.3	217.0	214.8	.3	2.5
Railroad transportation	12.9	13.0	13.5	-.1	-.6
Transportation, except railroads	116.7	116.0	112.3	.8	4.4
Trucking and warehousing	79.1	78.8	76.9	.3	2.3
Communication, electric, gas services	87.7	88.0	89.0	-.4	-1.3
Communication	45.5	45.7	47.0	-.2	-1.5
Electric, gas, and sanitary services	42.1	42.3	42.0	-.2	.1
Wholesale Trade	263.8	263.8	256.5	.0	7.3
Wholesale trade-durable goods	166.8	166.8	162.7	.0	4.1
Motor vehicles & automotive equipment	23.2	23.2	22.6	-.1	.6
Electrical goods	18.5	18.5	18.2	.0	.2
Machinery, equipment, and supplies	71.1	71.3	69.6	-.1	1.5
Wholesale trade-nondurable goods	97.0	97.0	93.8	.0	3.2
Groceries and related products	31.0	30.9	30.1	.1	.9
Retail Trade	920.0	918.6	888.2	1.5	31.8
General merchandise stores	122.5	121.2	119.8	1.2	2.7
Department stores	104.4	103.4	102.8	1.0	1.6
Food stores	146.9	146.3	141.3	.6	5.7
Automotive dealers & service stations	100.2	100.5	97.0	-.2	3.3
Apparel and accessory stores	47.1	46.8	45.0	.3	2.1
Eating and drinking places	313.6	314.9	308.2	-1.3	5.4
Finance, Insurance, and Real Estate	258.1	259.0	251.8	-.9	6.3
Banking	65.5	65.8	64.2	-.3	1.3
Credit agencies other than banks	38.6	38.8	38.2	-.2	.4
Insurance carriers	71.1	71.0	69.9	.1	1.3
Life insurance	26.2	26.2	25.7	.0	.5
Fire, marine, and casualty insurance	31.8	31.6	31.2	.2	.6
Services	1159.2	1152.6	1109.8	6.6	49.4
Hotels and other lodging places	39.1	40.3	37.5	-1.2	1.6
Personal services	59.1	58.3	56.7	.8	2.4
Laundry, cleaning, & garment services	19.6	19.4	19.0	.2	.6
Business services	246.1	244.9	228.7	1.2	17.4
Services to buildings	34.1	33.8	32.3	.3	1.8
Computer and data processing services	24.2	24.1	22.0	.1	2.2
Amusement and recreation services	51.6	55.3	51.4	-3.8	.2
Health services	385.8	385.6	373.4	.2	12.4
Nursing and personal care facilities	85.1	84.9	82.6	.3	2.5
Hospitals	187.5	187.9	182.9	-.3	4.6
Educational services	61.4	50.3	60.3	11.1	1.0
Colleges and universities	32.8	24.8	32.4	7.9	.4
Government	679.8	648.7	678.3	31.1	1.6
Federal government	95.7	96.7	94.2	-1.0	1.5
State government	146.7	138.8	146.4	7.9	.3
State government education	71.3	61.8	71.9	9.5	-.6
State government, except education	75.5	77.0	74.5	-1.5	1.0
Local government	437.3	413.2	437.6	24.2	-.3
Local government education	248.1	216.9	251.2	31.2	-3.1
Local government, except education	189.3	196.3	186.4	-7.0	2.9

See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$528.15	$514.88	$521.77	42.8	42.1	43.3	$12.34	$12.23	$12.05
Durable Goods[e]	544.83	530.87	545.38	42.9	42.3	43.7	12.70	12.55	12.48
Lumber and wood products	337.39	332.91	322.21	40.6	40.5	41.9	8.31	8.22	7.69
Furniture and fixtures	382.03	379.35	382.05	41.3	41.1	41.8	9.25	9.23	9.14
Stone, clay, and glass products	472.86	476.87	470.42	42.6	43.0	43.0	11.10	11.09	10.94
Glass and glassware, pressed or blown	504.81	498.38	523.77	42.6	42.2	44.2	11.85	11.81	11.85
Primary metal industries	619.87	612.14	632.80	43.9	43.6	45.2	14.12	14.04	14.00
Blast furnace and basic steel products	622.49	636.15	648.17	43.5	44.3	45.2	14.31	14.36	14.34
Iron and steel foundries	658.30	611.89	658.08	44.3	42.7	45.7	14.86	14.33	14.40
Nonferrous rolling and drawing	657.10	658.03	660.98	41.8	41.7	43.4	15.72	15.78	15.23
Fabricated metal products	509.78	490.69	517.97	42.2	41.2	43.2	12.08	11.91	11.99
Cutlery, hand tools, and hardware	524.15	507.09	503.74	41.5	40.6	41.7	12.63	12.49	12.08
Fabricated structural metal products	463.52	451.92	456.12	42.8	42.0	42.0	10.83	10.76	10.86
Metal forgings and stampings	630.44	593.07	638.03	42.8	41.1	44.4	14.73	14.43	14.37
Machinery, except electrical	534.87	519.78	530.64	43.1	42.5	44.0	12.41	12.23	12.06
Construction and related machinery	448.11	440.19	434.36	40.7	40.2	40.9	11.01	10.95	10.62
Metalworking machinery	515.35	509.82	513.90	43.6	43.5	45.0	11.82	11.72	11.42
Special industry machinery	532.20	522.51	536.36	45.8	45.2	46.0	11.62	11.56	11.66
General industrial machinery	568.49	556.84	547.67	43.1	42.9	43.5	13.19	12.98	12.59
Office and computing machines	473.76	490.75	458.81	42.0	43.7	41.9	11.28	11.23	10.95
Refrigeration and service machinery	560.33	545.11	605.68	40.9	40.2	43.7	13.70	13.56	13.86
Electric and electronic equipment	456.44	458.97	474.47	40.9	41.2	42.1	11.16	11.14	11.27
Electrical industrial apparatus	457.87	456.18	491.73	42.2	42.2	44.3	10.85	10.81	11.10
Household appliances	480.39	490.03	487.59	39.8	40.7	40.7	12.07	12.04	11.98
Electric lighting and wiring equipment	454.96	459.65	472.27	39.7	39.9	41.5	11.46	11.52	11.38
Communication equipment	591.10	524.24	478.18	46.0	42.9	40.8	12.85	12.22	11.72
Transportation equipment	733.72	688.97	698.88	45.8	43.8	45.5	16.02	15.73	15.36
Motor vehicles and equipment	769.37	714.27	737.56	46.6	44.2	46.3	16.51	16.16	15.93
Aircraft and parts	651.48	639.28	599.00	43.9	43.4	43.5	14.84	14.73	13.77
Instruments and related products	381.38	388.55	374.10	40.4	40.9	40.4	9.44	9.50	9.26
Measuring and controlling devices	379.64	383.55	362.21	39.3	39.5	39.2	9.66	9.71	9.24
Nondurable Goods[f]	489.60	476.74	469.63	42.5	41.6	42.5	11.52	11.46	11.05
Food and kindred products	470.55	468.00	446.45	42.7	42.2	42.6	11.02	11.09	10.48
Meat products	391.99	362.39	364.56	42.7	40.4	41.1	9.18	8.97	8.87
Dairy products	490.50	463.86	456.03	43.6	42.4	42.9	11.25	10.94	10.63
Preserved fruits and vegetables	460.93	500.52	461.47	41.6	43.0	44.5	11.08	11.64	10.37
Bakery products	483.19	475.53	464.53	39.9	39.3	39.3	12.11	12.10	11.82
Beverages	426.36	417.56	440.54	40.8	40.5	41.6	10.45	10.31	10.59
Apparel and other textile products	298.31	287.25	304.91	39.2	37.5	40.6	7.61	7.66	7.51
Paper and allied products	518.78	492.20	514.59	44.8	43.1	45.1	11.58	11.42	11.41
Misc. converted paper products	456.14	432.73	447.23	44.2	42.3	44.5	10.32	10.23	10.05
Paperboard containers and boxes	440.48	431.34	452.02	42.6	42.0	43.8	10.34	10.27	10.32
Printing and publishing	471.51	450.45	452.63	40.3	39.0	39.6	11.70	11.55	11.43
Newspapers	393.24	382.84	383.02	34.8	34.0	34.6	11.30	11.26	11.07
Commercial printing	479.68	444.71	457.75	42.3	40.1	41.5	11.34	11.09	11.03
Chemicals and allied products	596.94	588.41	555.53	43.1	42.7	42.7	13.85	13.78	13.01
Industrial inorganic chemicals	617.16	620.88	594.00	44.4	44.7	44.0	13.90	13.89	13.50
Rubber and misc. plastics products	461.39	446.04	453.96	43.0	42.0	43.4	10.73	10.62	10.46
Tires and inner tubes	720.13	724.16	684.78	46.4	46.6	46.3	15.52	15.54	14.79
Miscellaneous plastics products	443.84	423.94	436.60	42.8	41.4	43.1	10.37	10.24	10.13

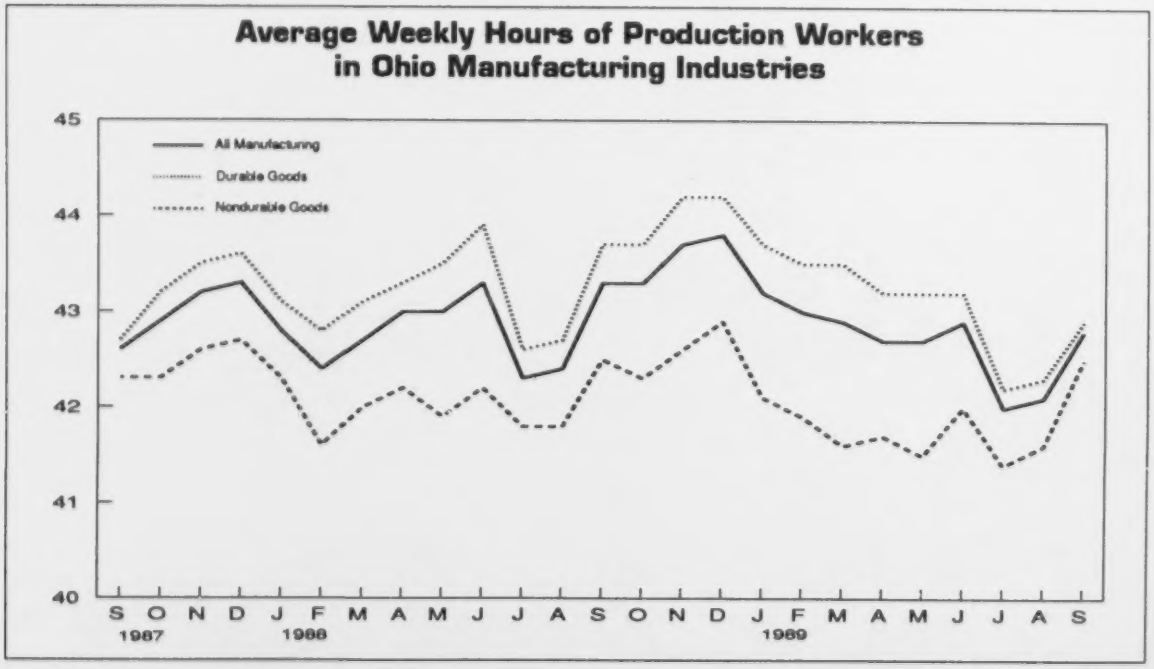
See footnotes on page 15.

Hours and Earnings of Production or Nonsupervisory Workers[a]

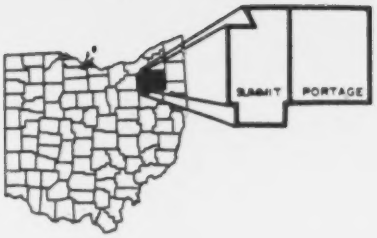
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Mining	$613.36	$597.19	$549.50	45.2	44.6	43.2	$13.57	$13.39	$12.72
Bituminous coal and lignite mining	756.65	724.11	645.81	45.2	43.7	40.9	16.74	16.57	15.79
Construction	610.67	626.86	604.49	39.5	40.6	39.9	15.46	15.44	15.15
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	599.46	598.64	579.10	41.2	41.4	41.1	14.55	14.46	14.09
Communication	591.19	587.88	563.29	41.4	41.4	40.7	14.28	14.20	13.84
Electric, gas, and sanitary services	607.77	609.59	596.77	40.9	41.3	41.5	14.86	14.76	14.38
Wholesale Trade	410.42	405.86	395.46	39.2	39.1	39.0	10.47	10.38	10.14
Wholesale trade-durable goods	399.75	396.24	387.44	39.0	39.0	38.9	10.25	10.16	9.96
Wholesale trade-nondurable goods	427.39	423.16	408.86	39.5	39.4	39.2	10.82	10.74	10.43
Retail Trade[h]	175.89	176.03	167.61	28.6	29.0	28.7	6.15	6.07	5.84
General merchandise stores	184.90	184.96	180.91	28.8	28.9	28.4	6.42	6.40	6.37
Department stores	189.15	190.38	185.61	29.1	29.2	28.6	6.50	6.52	6.49
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	270.32	268.70	265.37	....	....	....	.....	.....	.....
Credit agencies other than banks	277.17	278.67	272.19	....	....	....	.....	.....	.....
Insurance carriers	393.47	391.30	376.59	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	355.75	354.58	343.35	32.4	32.5	33.4	10.98	10.91	10.28

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Average Weekly Hours of Production Workers in Ohio Manufacturing Industries

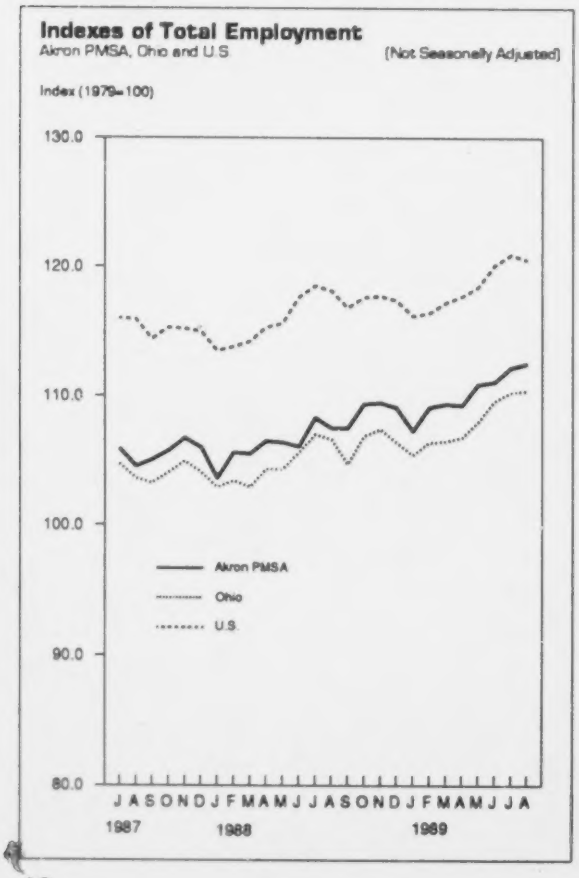


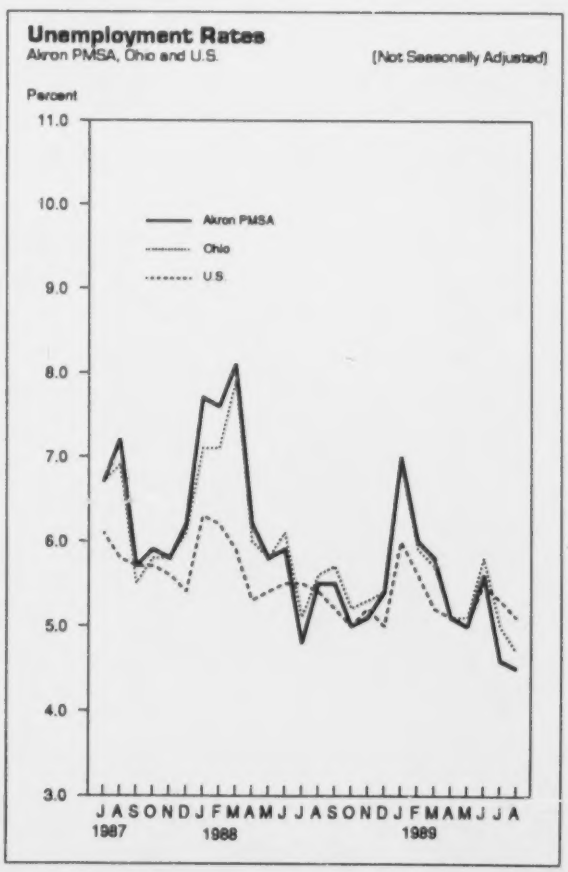
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



In the Akron metropolitan area, total nonfarm payroll employment rose 7,600 above the August level to 286,500 in September 1989. The improvement was concentrated in the nonmanufacturing sector as nonteaching personnel in state and local schools and colleges returned to work following the summer recess. Manufacturing employment, at 66,000, remained unchanged from last month. Scattered increases among producers of durable goods offset a decline in chemicals and allied products. Factory production workers averaged $11.46 per hour, up $.09 from August. Their average workweek of 42.7 hours was .4 hours longer.

Nonagricultural wage and salary employment advanced 9,800 between September 1988 and September 1989. Primary areas of growth were services, especially business services, retail trade, and construction. The manufacturing sector added 600 jobs over the year due to increases in both durable- and nondurable-goods industries. Employment in fabricated metal products, nonelectrical machinery, and chemicals and allied products declined.



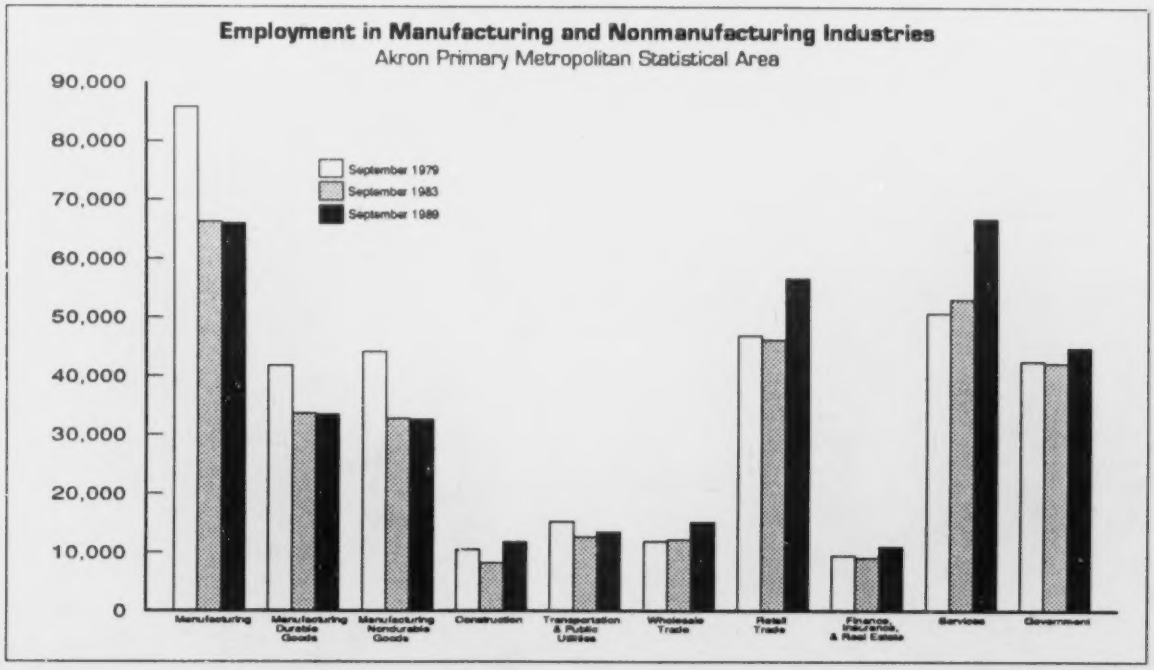


Akron PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	$304.14	42.3	$ 7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
320.3	297.5	22.7	7.1	1987	265.1	66.4	36.5	487.03	43.1	11.30
325.3	305.6	19.7	6.0	1988	271.9	65.8	37.5	496.37	43.2	11.49
				1988						
324.7	306.7	17.9	5.5	August	269.0	64.8	36.5	480.53	42.6	11.28
324.8	306.9	17.9	5.5	September	276.8	65.4	37.3	489.89	43.2	11.34
328.7	312.2	16.5	5.0	October	277.2	65.4	37.5	488.78	42.8	11.42
329.3	312.4	16.9	5.1	November	281.7	67.0	39.2	496.78	42.9	11.58
329.3	311.3	17.9	5.4	December	279.7	66.6	39.0	493.06	43.1	11.44
				1989						
329.4	306.2	23.2	7.0	January	268.3	66.8	39.1	489.77	42.7	11.47
331.3	311.4	19.9	6.0	February	273.8	66.3	38.9	483.36	42.4	11.40
331.2	312.1	19.1	5.8	March	276.6	66.1	38.7	488.49	42.7	11.44
328.6	311.8	16.7	5.1	April	279.0	66.1	38.9	485.18	42.3	11.47
333.1	316.5	16.6	5.0	May	283.1	66.0	38.8	488.62	42.6	11.47
335.7	317.0	18.7	5.6	June	279.7	66.2	38.9	477.14	42.3	11.28
335.4	320.1	15.3	4.6	July	278.6	66.3	38.8	471.92	41.8	11.29
336.0	321.0	15.0	4.5	August	278.9	66.0	38.6	480.95	42.3	11.37
INA	INA	INA	INA	September	286.5	66.0	38.8	489.34	42.7	11.46

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Akron PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	286.5	278.9	276.8	7.6	9.8
Manufacturing	66.0	66.0	65.4	.0	.6
Durable Goods[e]	33.5	33.2	33.1	.3	.3
Fabricated metal products	10.7	10.7	10.9	.0	-.2
Machinery, except electrical	9.7	9.6	9.8	.1	-.1
Metalworking machinery	3.5	3.5	3.4	.0	.1
Nondurable Goods[f]	32.5	32.8	32.2	-.3	.3
Food and kindred products	2.9	3.0	2.9	.0	.1
Chemicals and allied products	3.5	3.6	3.6	-.2	-.1
Rubber and misc. plastics products	19.4	19.4	19.3	.0	.1
Tires and inner tubes	10.1	10.1	10.5	.0	-.4
Nonmanufacturing[g]	220.5	212.9	211.4	7.6	9.1
Construction	11.7	11.7	10.9	.0	.9
Transportation and Public Utilities	13.5	13.5	13.1	.0	.4
Communication, electric, gas services	4.7	4.8	4.9	.0	-.2
Wholesale Trade	15.2	15.1	14.6	.0	.6
Retail Trade	56.7	56.3	54.0	.4	2.7
General merchandise stores	6.5	6.5	6.5	.1	.0
Finance, Insurance, and Real Estate	11.0	11.1	10.7	-.1	.3
Banking	3.2	3.2	3.1	.0	.1
Services	66.9	66.7	63.3	.2	3.6
Business services	15.0	14.9	13.5	.1	1.5
Amusement and recreation services	4.8	4.8	4.0	-.1	.8
Health services	20.6	20.6	20.3	.0	.3
Government	44.8	37.8	44.1	7.0	.6
State government	16.9	11.0	16.2	6.0	.7
State government education[h]	14.0	8.0	13.2	6.1	.8
State government, except education	2.9	3.0	3.0	-.1	-.1
Local government	25.3	24.3	25.5	1.0	-.2
Local government education	14.1	12.4	14.3	1.7	-.2
Local government, except education	11.3	11.9	11.3	-.6	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Akron PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$489.34	$480.95	$489.89	42.7	42.3	43.2	$11.46	$11.37	$11.34
Durable Goods[e]	496.60	494.28	499.25	42.7	42.5	43.3	11.63	11.63	11.53
Fabricated metal products	603.07	602.11	629.75	43.2	43.1	44.1	13.96	13.97	14.28
Machinery, except electrical	480.88	467.02	467.62	44.9	44.1	45.4	10.71	10.59	10.30
Metalworking machinery	507.60	498.41	493.10	45.0	44.7	46.3	11.28	11.15	10.65
Nondurable Goods[f]	478.82	465.89	476.44	42.6	42.2	43.0	11.24	11.04	11.08
Food and kindred products	413.66	394.70	464.83	43.0	41.2	43.2	9.62	9.58	10.76
Chemicals and allied products	546.75	529.70	522.41	44.2	43.1	43.9	12.37	12.29	11.90
Rubber and misc. plastics products	507.32	492.68	496.13	44.0	43.6	44.1	11.53	11.30	11.25
Tires and inner tubes	851.19	851.19	788.18	51.0	51.0	49.2	16.69	16.69	16.02
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	606.53	608.40	587.64	41.6	41.7	41.5	14.58	14.59	14.16
Wholesale Trade	359.04	360.98	347.26	36.9	37.1	37.1	9.73	9.73	9.36
Retail Trade[h]	210.46	210.56	199.68	31.6	32.0	32.0	6.66	6.58	6.24

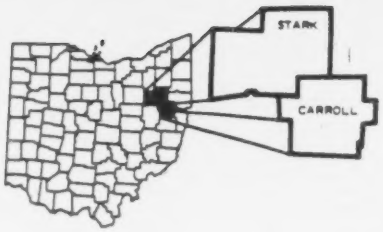
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Akron PMSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,628	2,320	1,891
Active File of Job Seekers	9,960	15,764	15,294
Referrals to Jobs	781	1,078	1,288
Placements	194	342	465
Job Openings Received	423	2,892	520
Job Openings Unfilled	1,452	1,684	1,531
Unemployment Insurance Program			
Initial Claims	1,705	2,264	1,720
Continued Claims	14,287	19,702	15,822
First Payments	792	1,353	861
Last Payments	289	427	305
Weeks Compensated	12,666	16,163	13,373
Benefits Paid	$1,902,619	$2,417,806	$1,995,519
Average Weekly Payment	$158.00	$156.76	$153.47

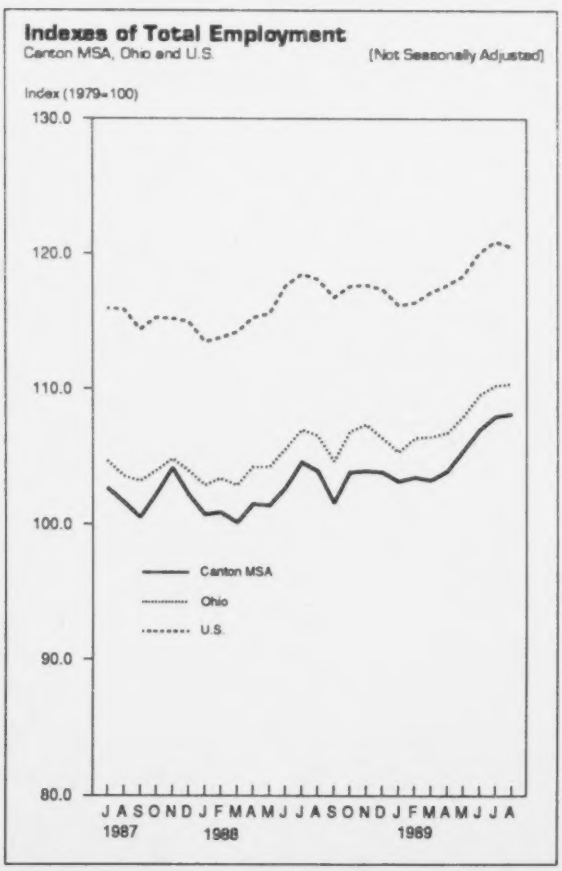
CANTON
METROPOLITAN STATISTICAL AREA

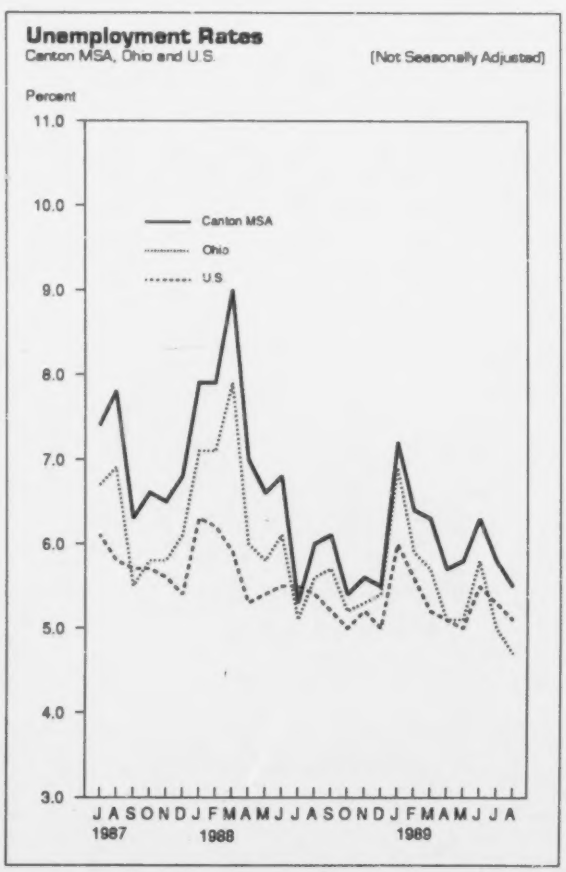


Note: Canton metropolitan area statistics are no longer funded by the U.S. Bureau of Labor Statistics.

Nonagricultural payroll employment in the Canton metropolitan area totaled 166,400 in September 1989, up 1,300 from the August level. The return of nonteaching personnel in local schools raised nonmanufacturing employment 1,100. Marginal improvements among producers of both durable and nondurable goods increased manufacturing employment 200 over the month to 45,700. Factory production worker average hourly earnings of $11.84 rose fractionally from August. Their average workweek was .3 hours shorter, at 41.7 hours.

Nonfarm wage and salary employment advanced 5,500 between September 1988 and September 1989. Noteworthy expansion occurred in services (+2,000) and retail trade (+1,600). The manufacturing workforce added 600 over the year with modest increases in primary metal industries and food and kindred products. Employment in fabricated metal products declined.





Canton MSA Labor Force and Employment Data

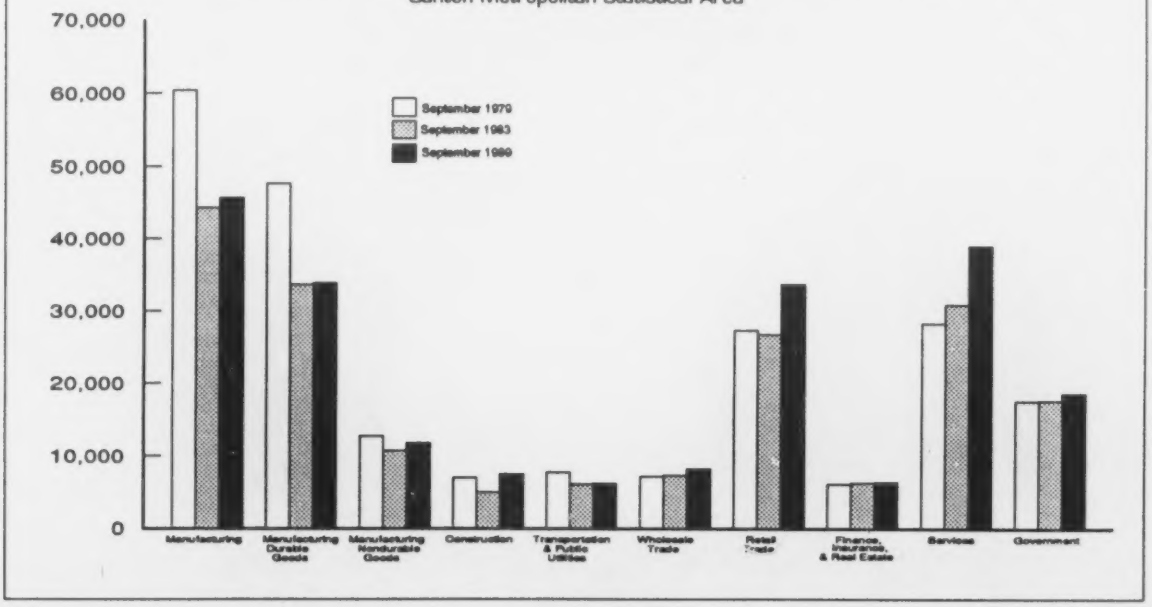
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	$ 304.67	40.3	$ 7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
190.4	174.7	15.7	8.2	1987	156.4	44.0	31.2	475.15	41.9	11.34
190.5	178.0	12.6	6.6	1988	159.5	44.9	32.1	489.49	42.9	11.41
				1988						
192.3	180.6	11.6	6.0	August	159.7	44.7	31.8	474.47	42.1	11.27
188.0	176.5	11.5	6.1	September	160.9	45.1	32.2	487.34	42.6	11.44
190.9	180.5	10.3	5.4	October	162.2	45.3	32.4	493.78	42.9	11.51
191.4	180.7	10.7	5.6	November	163.6	45.4	32.7	490.78	42.9	11.44
191.0	180.5	10.4	5.5	December	163.0	45.7	33.0	499.23	43.0	11.61
				1989						
193.0	179.2	13.9	7.2	January	160.0	46.0	33.2	500.39	43.1	11.61
192.1	179.7	12.3	6.4	February	159.1	45.3	32.5	491.90	42.7	11.52
191.5	179.4	12.1	6.3	March	160.0	45.2	32.4	497.03	42.3	11.75
191.7	180.7	11.0	5.7	April	162.7	45.5	32.7	496.27	42.2	11.76
194.6	183.3	11.3	5.8	May	165.0	45.8	32.9	497.20	42.1	11.81
198.4	185.9	12.4	6.3	June	165.7	45.9	32.9	500.49	42.2	11.86
199.3	187.6	11.6	5.8	July	165.2	45.4	32.5	482.10	41.1	11.73
198.9	187.9	11.0	5.5	August	165.1	45.5	32.7	496.44	42.0	11.82
INA	INA	INA	INA	September	166.4	45.7	32.8	493.73	41.7	11.84

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Canton Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Canton MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	166.4	165.1	160.9	1.3	5.5
Manufacturing	45.7	45.5	45.1	.2	.6
Durable Goods[e]	33.9	33.8	33.3	.1	.6
Primary metal industries	11.5	11.5	11.3	.0	.3
Fabricated metal products	6.5	6.5	6.7	.0	-.2
Metal forgings and stampings	2.3	2.3	2.2	.0	.1
Nondurable Goods[f]	11.8	11.7	11.8	.1	.0
Food and kindred products	3.4	3.4	3.3	.0	.2
Rubber and misc. plastics products	2.9	2.8	3.0	.1	.0
Nonmanufacturing[g]	120.7	119.5	115.8	1.1	4.8
Construction	7.5	7.5	6.8	.0	.6
Transportation and Public Utilities	6.2	6.2	5.9	.0	.3
Communication, electric, gas services	2.7	2.7	2.8	.0	.0
Wholesale Trade	8.2	8.2	8.0	.0	.2
Wholesale trade-durable goods	4.4	4.5	4.5	.0	.0
Retail Trade	33.8	33.6	32.2	.2	1.6
General merchandise stores	4.1	4.0	4.0	.1	.1
Food stores	5.7	5.7	5.5	.0	.3
Finance, Insurance, and Real Estate	6.4	6.4	6.3	.0	.0
Banking	1.8	1.9	1.8	.0	.0
Services	39.1	39.0	37.0	.1	2.0
Health services	15.5	15.5	15.3	.0	.1
Government	18.6	17.7	18.7	1.0	-.1
State government (includes education)	1.7	1.6	1.7	.1	.0
Local government	15.6	14.7	15.6	.9	.0
Local government education	9.2	8.2	9.2	1.0	.0
Local government, except education	6.4	6.5	6.4	-.1	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Canton MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$493.73	$496.44	$487.34	41.7	42.0	42.6	$11.84	$11.82	$11.44
Durable Goods[e]	522.37	528.53	516.03	42.4	42.9	43.4	12.32	12.32	11.89
Primary metal industries	590.48	603.90	583.53	44.0	44.7	45.2	13.42	13.51	12.91
Fabricated metal products	481.52	477.50	466.89	40.6	40.5	42.1	11.86	11.79	11.09
Metal forgings and stampings	569.66	562.78	568.10	41.4	40.9	40.9	13.76	13.76	13.89
Nondurable Goods[f]	405.11	396.08	400.39	39.6	39.1	40.2	10.23	10.13	9.96
Food and kindred products	418.88	390.45	398.71	38.5	36.8	37.9	10.88	10.61	10.52
Rubber and misc. plastics products	405.18	397.99	406.96	41.6	41.2	40.9	9.74	9.66	9.95
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	601.34	588.55	588.29	41.5	41.1	41.4	14.49	14.32	14.21
Wholesale Trade	380.85	375.82	370.30	38.2	38.0	36.7	9.97	9.89	10.09
Retail Trade[h]	169.88	166.16	160.11	28.6	28.5	28.9	5.94	5.83	5.54

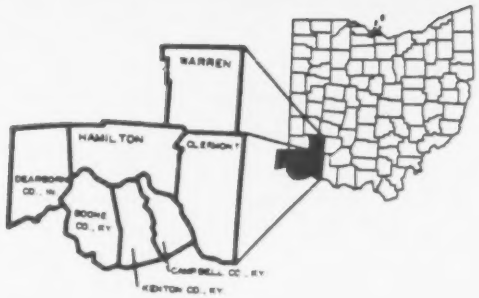
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Canton MSA

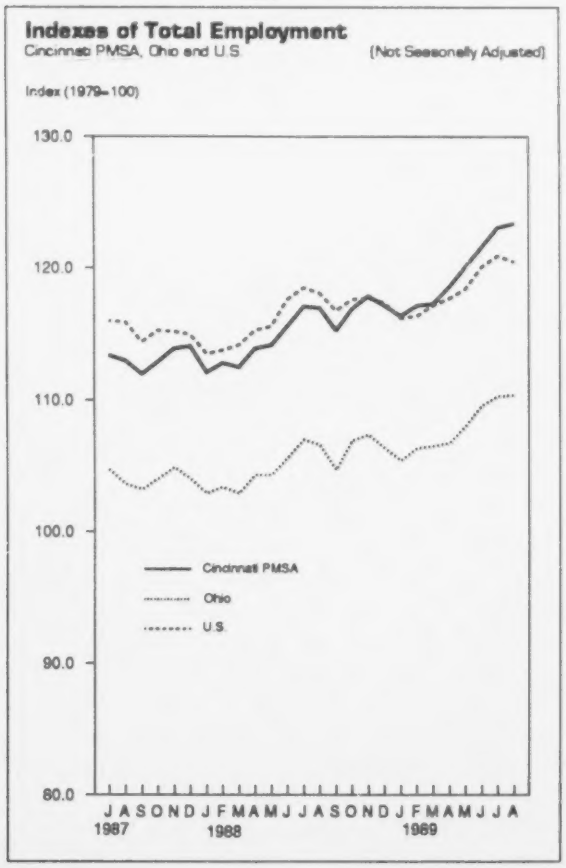
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	938	1,232	1,771
Active File of Job Seekers	7,547	10,760	12,718
Referrals to Jobs	737	626	864
Placements	51	137	168
Job Openings Received	454	852	450
Job Openings Unfilled	601	447	2,300
Unemployment Insurance Program			
Initial Claims	1,969	2,062	1,250
Continued Claims	10,771	13,940	9,746
First Payments	784	961	753
Last Payments	148	229	210
Weeks Compensated	9,563	12,045	8,545
Benefits Paid	$1,471,810	$1,795,342	$1,206,692
Average Weekly Payment	$164.89	$159.65	$146.42

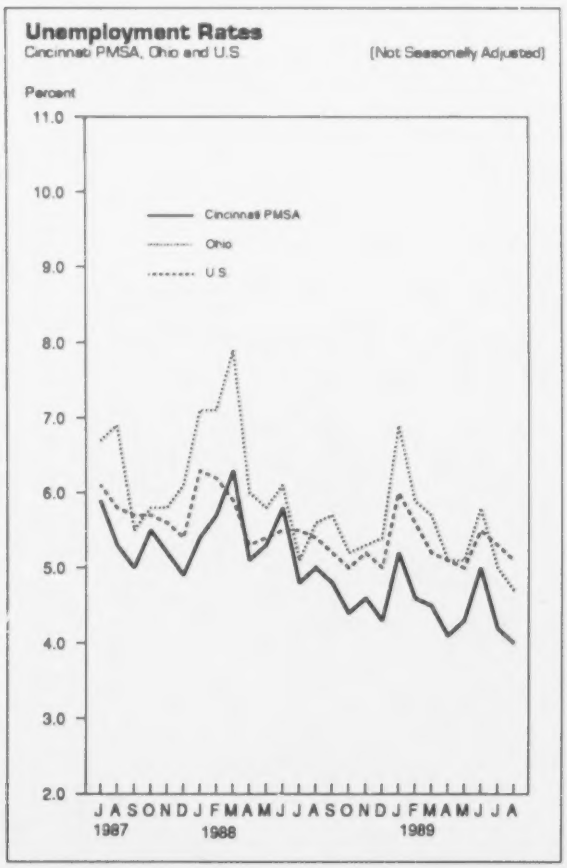
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



Total nonfarm payroll employment in the Cincinnati metropolitan area increased 8,400 above the August level to 745,100 in September 1989. The return of nonteaching personnel in local schools and more business in services, transportation and public utilities, and retail trade raised nonmanufacturing employment 7,500. The manufacturing workforce, at 149,400, added 900 jobs over the month. Modest gains were recorded in fabricated metal products, nonelectrical machinery, electric and electronic equipment, transportation equipment, and rubber and miscellaneous plastics products. Factory production workers averaged $11.57 per hour, down slightly from August. Their average workweek was .2 hours longer, at 43.4 hours.

Nonagricultural wage and salary employment advanced 33,300 between September 1988 and September 1989. Primary growth sectors were services, especially business and health services, and retail trade. Significant expansion was also noted in construction, transportation and public utilities, and local government. Manufacturing employment gained 3,600 during the period. Noteworthy improvements occurred in nonelectrical machinery, electric and electronic equipment, and rubber and miscellaneous plastics products.



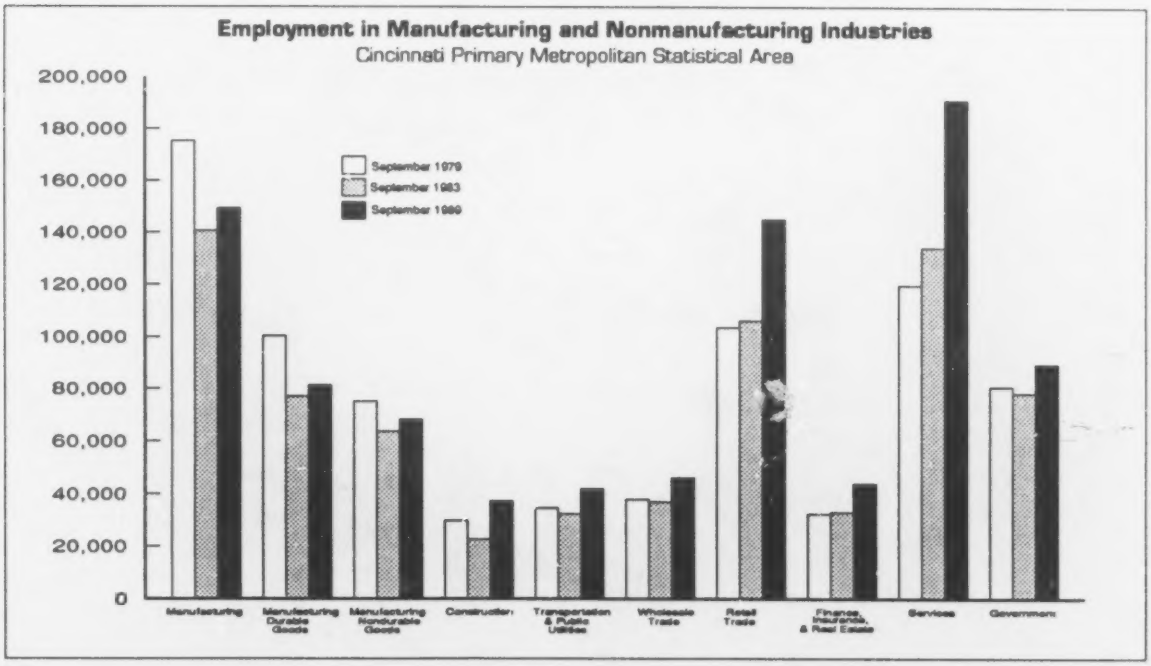


Cincinnati PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	$286.70	42.1	$ 6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.3	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.2	700.2	44.0	5.9	1987	677.7	146.0	93.4	467.57	42.7	10.95
762.7	723.7	39.0	5.1	1988	700.2	144.5	91.7	473.88	42.5	11.15
				1988						
773.7	735.0	38.7	5.0	August	705.1	145.3	92.2	476.15	42.4	11.23
760.7	724.2	36.5	4.8	September	711.9	145.8	92.7	483.75	43.0	11.25
768.5	734.3	34.2	4.4	October	712.4	145.3	92.0	484.18	43.0	11.26
776.3	740.8	35.5	4.6	November	720.5	146.3	92.6	487.46	43.1	11.31
768.8	736.1	32.7	4.3	December	718.6	146.6	92.6	492.86	43.5	11.33
				1989						
771.2	730.9	40.3	5.2	January	703.5	145.4	91.8	487.92	42.8	11.40
771.5	736.3	35.3	4.6	February	704.3	145.1	91.7	493.21	43.0	11.47
772.0	736.9	35.1	4.5	March	711.1	145.1	91.6	487.05	42.5	11.46
776.6	744.9	31.7	4.1	April	722.3	145.8	91.9	491.34	42.8	11.48
788.8	754.5	34.3	4.3	May	730.7	146.5	92.4	483.65	42.5	11.38
803.5	763.7	39.8	5.0	June	734.8	147.4	92.9	496.08	43.1	11.51
807.8	773.5	34.3	4.2	July	733.8	147.5	92.7	481.08	42.2	11.40
807.0	774.9	32.1	4.0	August	736.7	148.5	93.5	500.69	43.2	11.59
INA	INA	INA	INA	September	745.1	149.4	94.3	502.14	43.4	11.57

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Cincinnati PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	745.1	736.7	711.9	8.4	33.3
Manufacturing	149.4	148.5	145.8	.9	3.6
Durable Goods[e]	81.2	80.6	78.9	.7	2.4
Fabricated metal products	10.9	10.6	10.7	.3	.2
Fabricated structural metal products	3.9	3.7	3.8	.2	.1
Machinery, except electrical	21.6	21.5	20.8	.1	.8
Metalworking machinery	8.9	8.8	8.7	.0	.1
General industrial machinery	3.0	3.0	3.0	.0	.0
Electric and electronic equipment	9.2	9.0	8.7	.1	.5
Transportation equipment	24.1	24.0	24.1	.1	.0
Motor vehicles and equipment	5.0	4.9	5.0	.0	.0
Nondurable Goods[f]	68.2	68.0	66.9	.2	1.3
Food and kindred products	13.3	13.3	13.1	.0	.2
Beverages	3.3	3.3	3.6	.0	-.3
Apparel and other textile products	3.7	3.7	3.4	.0	.2
Paper and allied products	6.2	6.2	6.1	.0	.1
Printing and publishing	13.6	13.6	13.4	.0	.2
Commercial printing	6.4	6.3	6.1	.1	.2
Chemicals and allied products	22.9	22.8	22.7	.0	.1
Rubber and misc. plastics products	6.4	6.3	5.9	.1	.5
Nonmanufacturing[g]	595.7	588.2	566.0	7.5	29.6
Construction	37.3	37.2	33.9	.1	3.4
Transportation and Public Utilities	41.9	41.1	39.1	.8	2.8
Trucking and warehousing	12.0	11.8	11.1	.1	.9
Communication, electric, gas services	16.1	[illegible]	15.5	.0	.7
Wholesale Trade	46.2	[illegible]	44.6	.0	1.6
Wholesale trade-durable goods	27.0	27.1	26.4	-.1	.6
Retail Trade	145.3	144.8	137.3	.5	8.0
General merchandise stores	20.6	20.4	20.2	.2	.4
Finance, Insurance, and Real Estate	43.8	43.9	42.7	-.1	1.1
Banking	9.6	9.6	9.2	.0	.4
Insurance carriers	14.4	14.4	14.5	.0	.0
Services	191.2	190.3	180.6	.9	10.5
Hotels and other lodging places	8.1	8.3	7.7	-.2	.4
Personal services	9.6	9.5	9.0	.1	.6
Business services	48.8	48.4	44.2	.4	4.6
Amusement and recreation services	12.0	12.4	11.4	-.3	.7
Health services	55.8	55.7	54.4	.1	1.4
Hospitals	26.6	26.6	25.8	.0	.7
Government	89.5	84.2	87.4	5.4	2.1
Federal government	15.4	15.2	15.3	.2	.1
State government	20.1	20.0	19.2	.1	.9
State government education[h]	11.9	11.7	11.3	.2	.6
State government, except education	8.2	8.3	7.8	-.1	.3
Local government	54.0	48.9	53.0	5.1	1.0
Local government education	29.7	24.4	29.9	5.3	-.1
Local government, except education	24.3	24.5	23.1	-.3	1.2

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cincinnati PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$502.14	$500.69	$483.75	43.4	43.2	43.0	$11.57	$11.59	$11.25
Durable Goods[e]	493.89	486.76	476.69	43.4	43.0	43.1	11.38	11.32	11.06
Fabricated metal products	423.67	417.90	435.60	43.1	42.0	43.3	9.83	9.95	10.06
Fabricated structural metal products	488.96	448.79	491.43	45.4	42.1	45.8	10.77	10.66	10.73
Machinery, except electrical	444.15	437.22	440.05	42.3	42.0	43.1	10.50	10.41	10.21
Metalworking machinery	490.59	486.00	491.70	43.3	43.2	44.7	11.33	11.25	11.00
General industrial machinery	438.90	435.56	431.10	42.0	41.8	43.9	10.45	10.42	9.82
Electric and electronic equipment	386.69	369.82	333.45	42.4	41.0	39.0	9.12	9.02	8.55
Transportation equipment	785.63	772.68	715.47	47.1	47.0	46.1	16.68	16.44	15.52
Motor vehicles and equipment	914.64	904.24	863.72	50.2	50.8	50.1	18.22	17.80	17.24
Nondurable Goods[f]	509.21	513.86	491.92	43.3	43.4	43.0	11.76	11.84	11.44
Food and kindred products	543.27	523.33	516.84	45.5	44.2	43.8	11.94	11.84	11.80
Beverages	551.23	547.40	509.21	42.5	42.5	40.9	12.97	12.88	12.45
Apparel and other textile products	249.21	238.88	226.94	39.0	37.5	38.4	6.39	6.37	5.91
Paper and allied products	481.98	464.19	447.62	44.3	43.1	44.1	10.88	10.77	10.15
Printing and publishing	483.80	465.52	477.25	41.0	40.2	41.5	11.80	11.58	11.50
Commercial printing	527.12	484.26	527.59	44.0	42.0	45.6	11.98	11.53	11.57
Chemicals and allied products	599.27	647.15	578.35	43.3	45.8	43.0	13.84	14.13	13.45
Rubber and misc. plastics products	435.60	424.60	434.93	45.0	44.0	45.4	9.68	9.65	9.58
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	602.05	595.75	574.87	40.9	41.4	40.8	14.72	14.39	14.09
Wholesale Trade	421.94	415.36	416.56	40.3	39.9	41.0	10.47	10.41	10.16
Retail Trade[h]	171.63	173.46	168.78	28.7	29.3	29.2	5.98	5.92	5.78
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	265.39	264.05	262.00	....	....	....	.....	.....	.....

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

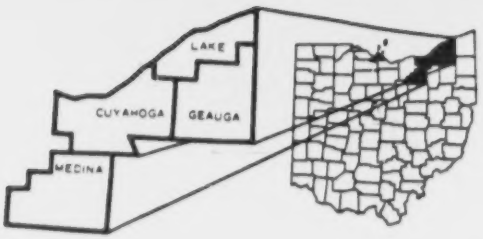
Selected Administrative Program Activities[a]

Cincinnati PMSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	2,660	3,510	2,610
Active File of Job Seekers	14,250	20,248	20,901
Referrals to Jobs	2,027	2,046	1,917
Placements	204	464	357
Job Openings Received	1,030	2,754	1,859
Job Openings Unfilled	2,059	1,911	3,250
Unemployment Insurance Program			
Initial Claims	2,872	3,057	3,231
Continued Claims	23,763	30,544	27,417
First Payments	1,591	1,587	1,555
Last Payments	428	579	546
Weeks Compensated	21,175	25,364	22,239
Benefits Paid	$3,231,219	$3,788,722	$3,354,924
Average Weekly Payment	$157.39	$153.61	$153.37

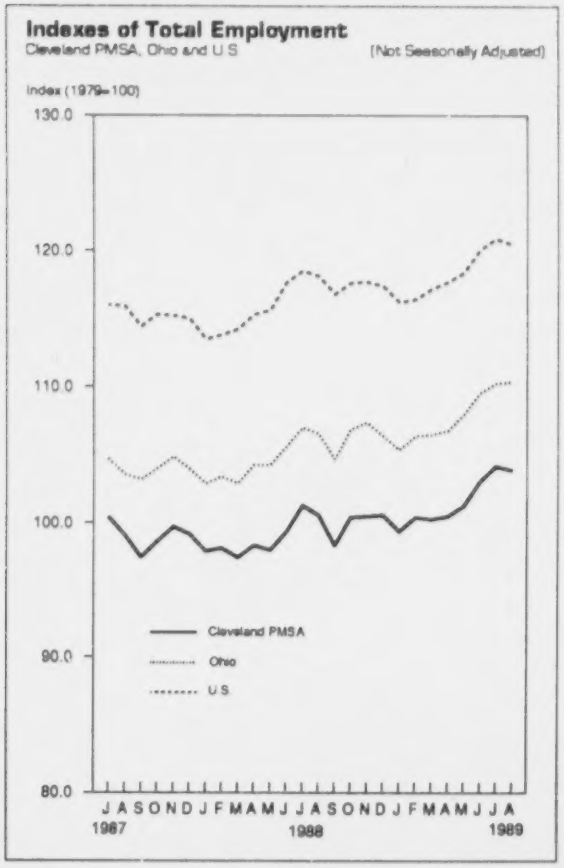
[a] Ohio data only

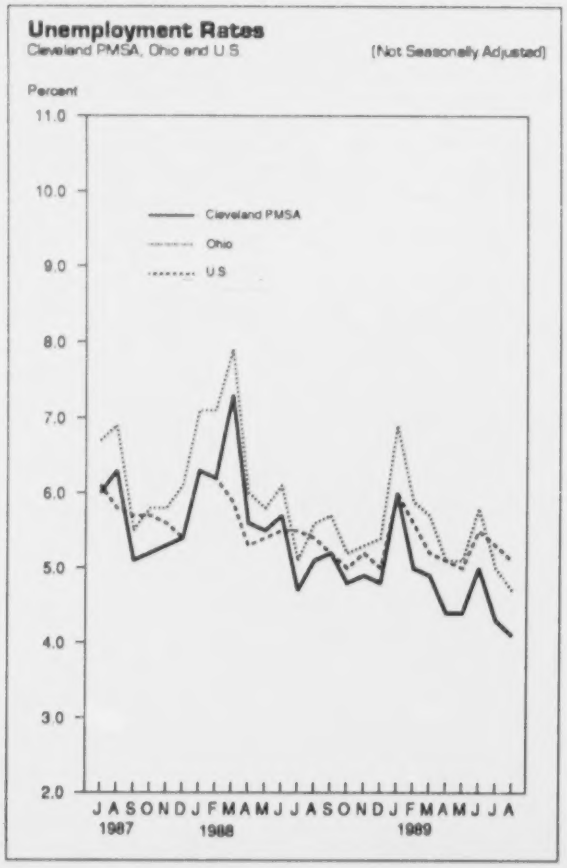
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



In the Cleveland metropolitan area, nonagricultural payroll employment totaled 935,700 in September 1989, up 4,200 from the August level. Nonmanufacturing employment increased 3,300 due chiefly to seasonal growth in services. The manufacturing sector rose 900 over the month to 204,400. Improvements in transportation equipment, food and kindred products, and electric and electronic equipment more than offset declines in fabricated metal products and printing and publishing. Factory production workers averaged $12.06 per hour, up $.19 from August. Their average workweek of 43.0 hours was .8 hours longer.

Nonfarm wage and salary employment advanced 24,400 between September 1988 and September 1989. Leading growth sectors were services, particularly business and health services, and retail trade. Noteworthy expansion was also registered in finance, insurance, and real estate, local government, wholesale trade, and construction. Manufacturing employment increased 1,600 over the year with moderate improvements in nonelectrical machinery, especially metalworking machinery, and chemicals and allied products. Employment in rubber and miscellaneous plastics products and transportation equipment declined.



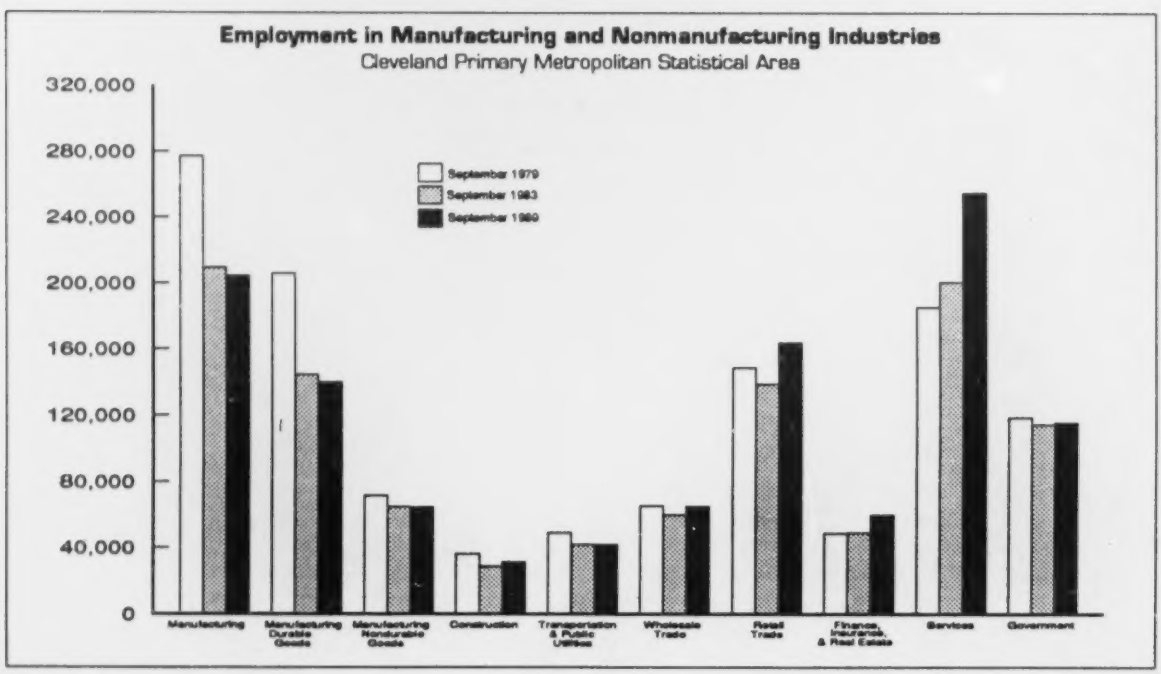


Cleveland PMSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	$321.75	42.9	$ 7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
927.0	869.0	58.0	6.3	1987	891.6	200.6	128.3	496.35	42.9	11.57
933.7	882.3	51.4	5.5	1988	904.6	201.7	130.1	512.67	43.3	11.84
				1988						
943.0	894.6	48.5	5.1	August	907.4	200.9	128.9	503.43	42.7	11.79
921.6	873.7	47.9	5.2	September	911.4	202.8	130.9	514.51	43.2	11.91
937.2	892.3	45.0	4.8	October	917.1	203.7	131.8	517.76	43.4	11.93
939.4	893.8	45.6	4.9	November	926.2	204.5	133.0	528.12	43.9	12.03
939.6	894.4	45.2	4.8	December	924.5	205.4	133.7	538.25	44.3	12.15
				1989						
940.3	883.9	56.4	6.0	January	902.1	204.4	132.7	527.90	43.7	12.08
939.7	892.4	47.3	5.0	February	902.8	204.7	132.5	520.80	43.4	12.00
938.3	892.2	46.1	4.9	March	909.3	204.9	132.7	522.44	43.5	12.01
934.6	893.2	41.4	4.4	April	917.2	204.9	132.6	519.17	43.3	11.99
942.2	900.4	41.8	4.4	May	926.9	204.8	131.9	514.71	43.0	11.97
964.9	916.3	48.6	5.0	June	934.5	205.0	131.7	517.44	43.3	11.95
967.2	926.0	41.2	4.3	July	933.6	202.7	129.6	491.99	41.8	11.77
963.8	923.9	39.9	4.1	August	931.6	203.5	130.1	500.91	42.2	11.87
INA	INA	INA	INA	September	935.7	204.4	131.2	518.58	43.0	12.06

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	935.7	931.6	911.4	4.2	24.4
Manufacturing	204.4	203.5	202.8	.9	1.6
Durable Goods[e]	140.1	139.2	138.7	.9	1.4
Primary metal industries	21.7	21.6	21.5	.1	.2
Iron and steel foundries	4.4	4.3	4.7	.1	-.3
Fabricated metal products	31.9	32.3	31.9	-.4	.0
Fabricated structural metal products	3.9	4.1	3.9	-.2	.0
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.0
Metal forgings and stampings	10.7	10.6	10.7	.1	.0
Machinery, except electrical	30.9	30.7	29.9	.2	1.0
Construction and related machinery	2.7	2.6	2.5	.0	.1
Metalworking machinery	10.6	10.5	10.0	.1	.7
Special industry machinery	2.7	2.7	2.7	.0	.0
General industrial machinery	3.3	3.3	3.2	.0	.2
Electric and electronic equipment	17.9	17.7	18.0	.3	-.1
Electrical industrial apparatus	6.7	6.6	6.5	.1	.2
Transportation equipment	19.3	18.6	19.6	.7	-.3
Motor vehicles and equipment	12.2	11.7	12.3	.6	.0
Instruments and related products	6.4	6.4	6.4	.0	.0
Measuring and controlling devices	4.5	4.5	4.3	.0	.1
Nondurable Goods[f]	64.3	64.3	64.1	.0	.2
Food and kindred products	6.8	6.4	6.6	.4	.2
Apparel and other textile products	3.4	3.4	3.5	.0	-.1
Paper and allied products	5.8	5.9	5.9	-.1	-.1
Printing and publishing	16.1	16.3	15.9	-.2	.2
Chemicals and allied products	15.4	15.5	15.0	-.1	.4
Rubber and misc. plastics products	11.1	11.1	11.6	.0	-.5
Nonmanufacturing[g]	731.3	728.1	708.6	3.3	22.7
Construction	31.2	31.3	30.1	-.1	1.2
Transportation and Public Utilities	41.9	41.9	41.8	.0	.1
Trucking and warehousing	12.6	12.6	12.2	.1	.4
Communication, electric, gas services	17.2	17.3	17.7	-.1	-.5
Wholesale Trade	64.5	64.8	63.3	-.2	1.3
Wholesale trade-durable goods	44.8	44.9	43.9	-.1	.9
Retail Trade	163.5	163.6	158.5	.0	5.0
General merchandise stores	20.6	20.5	20.2	.1	.4
Finance, Insurance, and Real Estate	59.6	59.7	57.6	-.1	1.9
Banking	14.7	14.6	14.3	.0	.3
Credit agencies other than banks	8.9	9.0	8.8	-.1	.1
Insurance carriers	14.7	14.7	14.2	.0	.6
Services	254.6	251.8	242.7	2.8	11.9
Business services	59.9	59.3	55.9	.6	4.0
Amusement and recreation services	9.3	9.7	9.0	-.5	.3
Health services	79.9	79.7	77.2	.2	2.7
Hospitals	44.5	44.5	43.5	.0	1.0
Government	114.9	114.1	113.5	.8	1.4
Federal government	20.5	20.7	20.7	-.1	-.2
State government	7.5	7.6	7.7	-.2	-.2
State government education[h]	2.4	2.4	2.6	.0	-.2
State government, except education	5.1	5.2	5.1	-.2	-.1
Local government	86.9	85.8	85.0	1.1	1.9
Local government education	42.4	38.4	41.6	4.0	.8
Local government, except education	44.5	47.4	43.4	-2.9	1.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Cleveland PMSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$518.58	$500.91	$514.51	43.0	42.2	43.2	$12.06	$11.87	$11.91
Durable Goods[e]	545.06	524.78	555.89	43.5	42.7	44.4	12.53	12.29	12.52
Primary metal industries	550.00	519.16	587.06	44.0	42.8	45.9	12.50	12.13	12.79
Iron and steel foundries	895.78	767.60	636.35	49.3	45.1	49.6	18.17	17.02	17.87
Fabricated metal products	524.83	518.50	548.88	42.6	42.5	44.3	12.32	12.20	12.39
Fabricated structural metal products	428.64	431.11	414.39	41.9	42.6	41.9	10.23	10.12	9.89
Screw machine products, bolts, etc.	516.80	513.46	556.06	42.5	42.4	46.3	12.16	12.11	12.01
Metal forgings and stampings	636.23	638.50	598.63	42.7	43.2	46.7	14.90	14.78	14.96
Machinery, except electrical	543.01	506.94	514.72	44.4	42.6	43.4	12.23	11.90	11.86
Construction and related machinery	435.30	429.62	404.61	44.6	44.2	43.6	9.76	9.72	9.28
Metalworking machinery	489.83	501.81	462.04	42.3	43.0	41.7	11.58	11.67	11.08
Special industry machinery	497.99	482.23	465.20	42.6	41.5	40.7	11.69	11.62	11.43
General industrial machinery	514.24	467.52	527.57	44.6	41.3	46.4	11.53	11.32	11.37
Electric and electronic equipment	459.26	447.01	458.64	41.3	40.6	42.0	11.12	11.01	10.92
Electrical industrial apparatus	538.02	514.25	528.12	43.6	42.5	45.1	12.34	12.10	11.71
Transportation equipment	743.20	706.64	773.22	45.4	44.0	47.7	16.37	16.06	16.21
Motor vehicles and equipment	849.41	800.40	869.26	47.4	45.4	49.0	17.92	17.63	17.74
Instruments and related products	413.41	418.84	408.62	41.3	41.8	41.4	10.01	10.02	9.87
Measuring and controlling devices	460.94	467.39	443.52	43.2	43.6	42.2	10.67	10.72	10.51
Nondurable Goods[f]	452.28	444.55	417.15	41.8	41.2	40.5	10.82	10.79	10.30
Food and kindred products	461.58	458.13	402.19	42.0	41.8	40.3	10.99	10.96	9.98
Apparel and other textile products	349.71	315.77	327.92	38.9	35.6	39.7	8.99	8.87	8.26
Paper and allied products	475.84	460.40	490.35	42.6	42.2	42.9	11.17	10.91	11.43
Printing and publishing	439.70	426.28	394.93	39.4	38.3	36.5	11.16	11.13	10.82
Chemicals and allied products	551.32	547.06	502.47	44.0	43.8	42.8	12.53	12.49	11.74
Rubber and misc. plastics products	390.92	385.53	378.59	43.1	42.6	42.3	9.07	9.05	8.95
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	627.59	632.10	608.81	41.7	42.0	41.5	15.05	15.05	14.67
Wholesale Trade	448.27	441.78	427.19	39.6	39.2	39.3	11.32	11.27	10.87
Retail Trade[h]	189.19	188.33	188.76	27.7	27.9	28.3	6.83	6.75	6.67
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....	.....	.....
Banking	301.65	302.08	306.30	....	....	....	.....	.....	.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	356.80	358.20	347.07	30.6	30.8	31.9	11.66	11.63	10.88

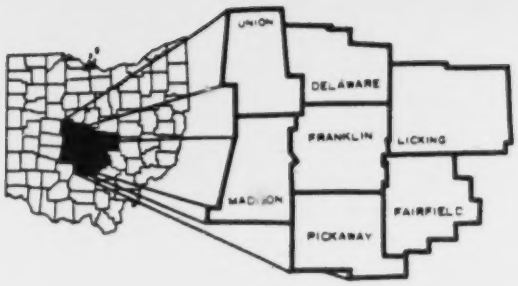
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Cleveland PMSA

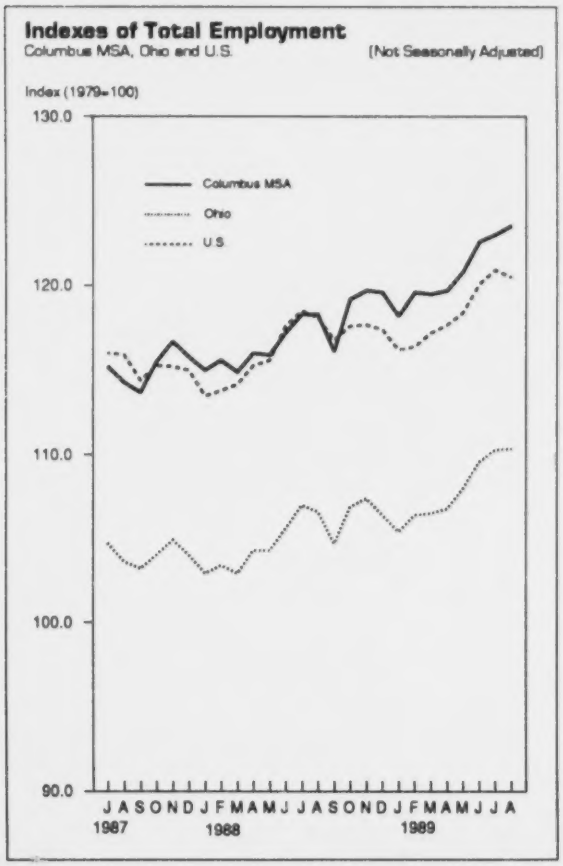
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	3,959	5,155	3,953
Active File of Job Seekers	25,177	52,176	54,399
Referrals to Jobs	2,210	2,502	2,088
Placements	389	838	318
Job Openings Received	1,361	3,786	1,123
Job Openings Unfilled	3,328	3,191	4,293
Unemployment Insurance Program			
Initial Claims	4,522	5,401	4,610
Continued Claims	39,013	48,375	42,280
First Payments	2,145	2,873	2,384
Last Payments	764	878	858
Weeks Compensated	32,550	39,194	35,726
Benefits Paid	$5,089,688	$6,097,840	$5,340,392
Average Weekly Payment	$161.20	$160.39	$152.54

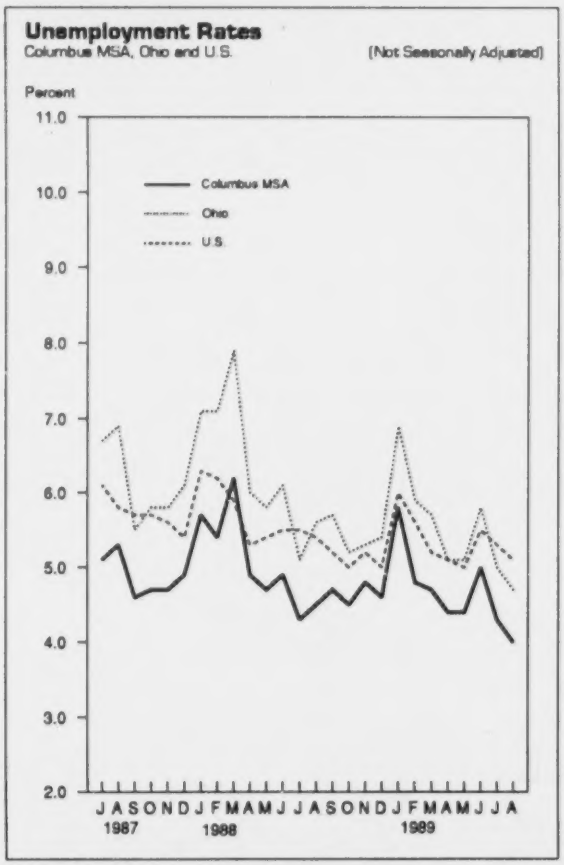
COLUMBUS METROPOLITAN STATISTICAL AREA



Nonagricultural payroll employment in the Columbus metropolitan area totaled 706,600 in September 1989, up 5,300 from the August level. The return of nonteaching personnel in local schools and more business in services and retail trade raised nonmanufacturing employment 4,600. Manufacturing employment, at 104,200, increased 700 over the month due to gains in fabricated metal products and nonelectrical machinery. Factory production worker average hourly earnings of $12.10 were $.11 higher than August. Their average workweek of 41.6 hours was .3 hours longer.

Nonfarm wage and salary employment advanced 23,000 between September 1988 and September 1989. Primary growth industries were services, especially business services, retail trade, and construction. Significant improvements also occurred in finance, insurance, and real estate, wholesale trade, and transportation and public utilities. The manufacturing workforce added 300 jobs during the period with modest gains in instruments and related products and printing and publishing.





Columbus MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.9	657.2	37.7	5.4	1987	658.0	103.9	68.7	473.52	41.5	11.41
711.5	676.5	35.0	4.9	1988	678.1	102.6	67.9	480.16	41.5	11.57
				1988						
715.4	683.1	32.3	4.5	August	676.7	102.8	68.2	471.65	40.8	11.56
703.2	670.4	32.8	4.7	September	683.6	103.9	68.9	481.48	41.4	11.63
720.8	688.5	32.3	4.5	October	691.7	103.9	69.0	486.22	41.7	11.66
725.5	691.0	34.5	4.8	November	700.0	104.1	69.1	489.39	41.9	11.68
723.8	690.6	33.2	4.6	December	698.6	104.0	68.8	492.74	41.9	11.76
				1989						
724.3	682.6	41.7	5.8	January	681.7	103.2	68.1	486.38	41.5	11.72
725.3	690.5	34.8	4.8	February	683.4	103.2	67.8	491.78	41.5	11.85
724.7	690.3	34.4	4.7	March	688.2	103.0	67.8	493.44	41.5	11.89
722.6	691.0	31.6	4.4	April	695.8	102.9	67.7	494.68	41.5	11.92
729.9	697.7	32.2	4.4	May	701.8	102.9	67.6	492.75	41.2	11.96
745.7	708.2	37.6	5.0	June	705.7	103.1	67.6	491.56	41.1	11.96
742.4	710.4	32.0	4.3	July	699.2	103.2	67.5	496.43	41.3	12.02
742.7	713.3	29.5	4.0	August	701.2	103.4	67.7	495.19	41.3	11.99
INA	INA	INA	INA	September	706.6	104.2	68.4	503.36	41.6	12.10

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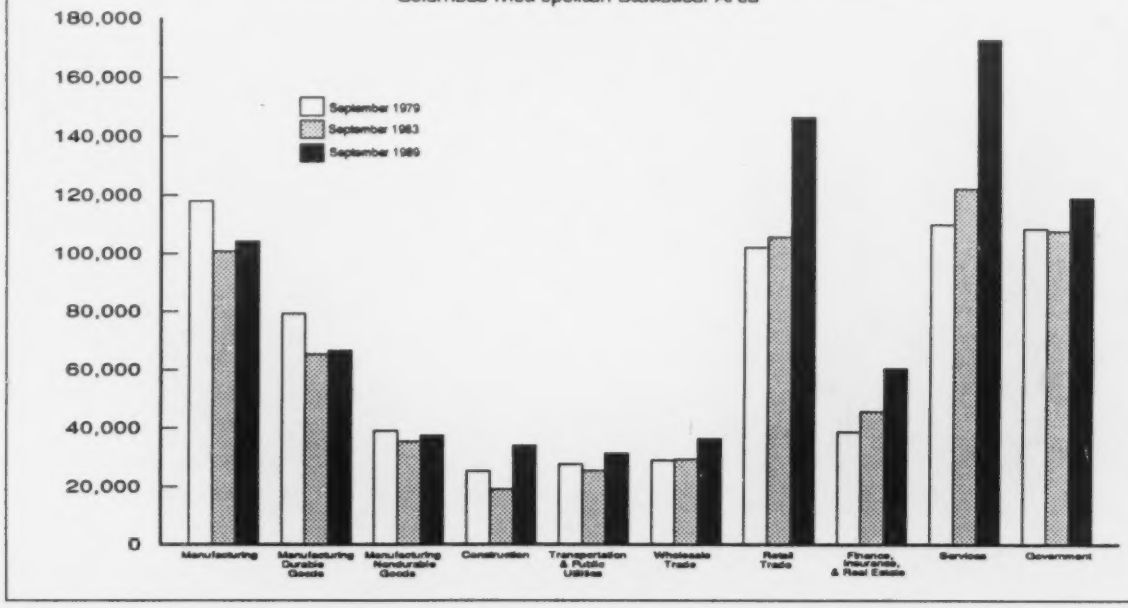
Employment in Manufacturing and Nonmanufacturing Industries

Columbus Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Columbus MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	706.6	701.2	683.6	5.3	23.0
Manufacturing	104.2	103.4	103.9	.7	.3
Durable Goods[e]	66.6	65.8	66.1	.8	.6
Stone, clay, and glass products	10.2	10.2	10.1	.1	.2
Glass and glassware, pressed or blown	3.3	3.3	3.1	.0	.2
Fabricated metal products	9.5	9.2	9.3	.3	.2
Fabricated structural metal products	2.6	2.5	2.5	.1	.1
Machinery, except electrical	9.7	9.5	9.9	.2	-.1
Electric and electronic equipment	10.7	10.7	10.7	.0	.0
Transportation equipment	13.4	13.3	13.2	.1	.2
Instruments and related products	4.4	4.4	4.1	.0	.3
Nondurable Goods[f]	37.6	37.6	37.8	-.1	-.3
Food and kindred products	10.3	10.4	10.4	.0	-.1
Printing and publishing	10.8	10.7	10.5	.1	.3
Chemicals and allied products	6.8	6.9	6.8	.0	.1
Rubber and misc. plastics products	5.3	5.4	5.5	-.1	-.2
Nonmanufacturing[g]	602.4	597.8	579.7	4.6	22.7
Construction	34.2	34.3	31.2	-.1	3.0
Transportation and Public Utilities	31.4	31.2	30.3	.2	1.1
Trucking and warehousing	13.4	13.3	12.6	.1	.8
Communication, electric, gas services	11.8	11.8	12.1	.0	-.4
Wholesale Trade	36.4	36.3	35.1	.1	1.3
Wholesale trade-durable goods	23.3	23.3	22.7	.0	.6
Retail Trade	146.5	145.8	140.3	.7	6.2
General merchandise stores	20.5	20.2	20.5	.3	.0
Finance, Insurance, and Real Estate	60.5	60.8	58.9	-.3	1.6
Banking	12.0	12.0	11.6	.0	.4
Insurance carriers	23.9	23.9	23.4	.0	.6
Services	173.0	171.9	164.5	1.1	8.5
Business services	41.9	41.8	38.3	.1	3.6
Health services	43.3	43.5	41.8	-.2	1.5
Hospitals	19.8	20.0	19.2	-.2	.6
Government	119.4	116.5	118.5	2.9	.8
Federal government	15.0	15.3	14.9	-.3	.1
State government	50.0	50.6	49.6	-.7	.4
State government education[i]	17.6	18.0	18.2	-.4	-.6
State government, except education	32.4	32.7	31.4	-.3	1.0
Local government	54.4	50.6	54.1	3.9	.4
Local government education	32.6	28.1	32.5	4.5	.1
Local government, except education	21.8	22.5	21.6	-.6	.3

Hours and Earnings of Production or Nonsupervisory Workers[a]

Columbus MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$503.36	$495.19	$481.48	41.6	41.3	41.4	$12.10	$11.99	$11.63
Durable Goods[e]	507.52	498.90	491.30	41.6	41.3	41.6	12.20	12.08	11.81
Stone, clay, and glass products	517.22	522.53	482.93	43.5	43.8	41.1	11.89	11.93	11.75
Glass and glassware, pressed or blown	459.80	447.79	464.78	42.3	41.5	42.1	10.87	10.79	11.04
Fabricated metal products	502.50	493.16	510.88	40.2	39.9	41.2	12.50	12.36	12.40
Fabricated structural metal products	449.44	442.00	455.10	40.2	40.0	42.1	11.18	11.05	10.81
Machinery, except electrical	476.74	462.68	467.67	41.6	41.2	42.4	11.46	11.23	11.03
Electric and electronic equipment	508.80	479.23	451.67	42.4	41.1	40.4	12.00	11.66	11.18
Transportation equipment	603.35	591.47	586.28	42.4	41.8	42.3	14.23	14.15	13.86
Instruments and related products	408.46	418.40	408.56	39.2	40.0	38.8	10.42	10.46	10.53
Nondurable Goods[f]	494.62	487.34	462.07	41.6	41.3	41.0	11.89	11.80	11.27
Food and kindred products	454.95	437.67	443.69	41.7	40.6	41.7	10.91	10.78	10.64
Printing and publishing	588.47	587.06	559.60	40.5	40.1	40.0	14.53	14.64	13.99
Chemicals and allied products	631.47	595.82	547.55	43.7	41.9	41.2	14.45	14.22	13.29
Rubber and misc. plastics products	376.62	381.55	355.97	41.8	42.3	41.2	9.01	9.02	8.64
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	613.62	617.81	594.46	42.0	42.2	41.6	14.61	14.64	14.29
Wholesale Trade	367.25	363.81	357.21	37.9	37.7	37.8	9.69	9.65	9.45
Retail Trade[h]	192.48	191.23	185.71	28.6	28.8	29.2	6.73	6.64	6.36
Finance, Insurance, and Real Estate	.....	.....	.....	....	....	....	.....		.....
Banking	282.09	274.22	267.75	....	....	....	.....		.....
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	384.50	378.25	355.34	34.3	34.2	34.6	11.21	11.06	10.27

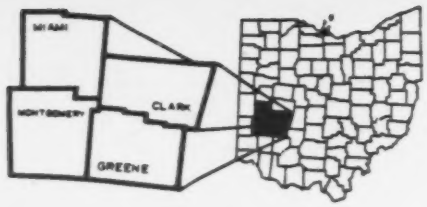
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Columbus MSA

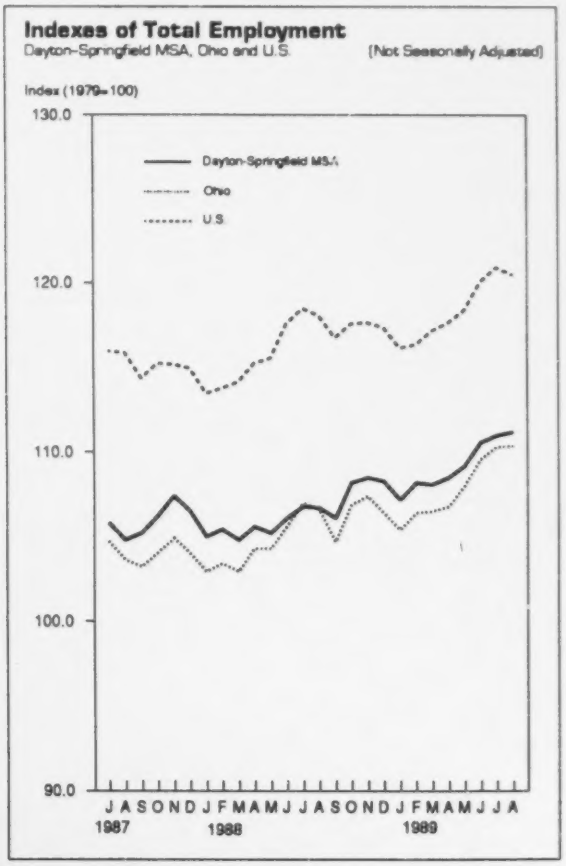
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	4,049	6,163	4,013
Active File of Job Seekers	23,278	31,350	27,385
Referrals to Jobs	3,682	2,829	2,202
Placements	1,376	1,126	665
Job Openings Received	2,347	5,352	1,270
Job Openings Unfilled	3,204	3,593	2,612
Unemployment Insurance Program			
Initial Claims	3,355	4,259	3,108
Continued Claims	25,637	33,174	25,812
First Payments	1,460	2,028	1,716
Last Payments	521	764	478
Weeks Compensated	21,426	27,484	21,671
Benefits Paid	$3,360,840	$4,250,232	$3,330,440
Average Weekly Payment	$163.89	$163.19	$157.16

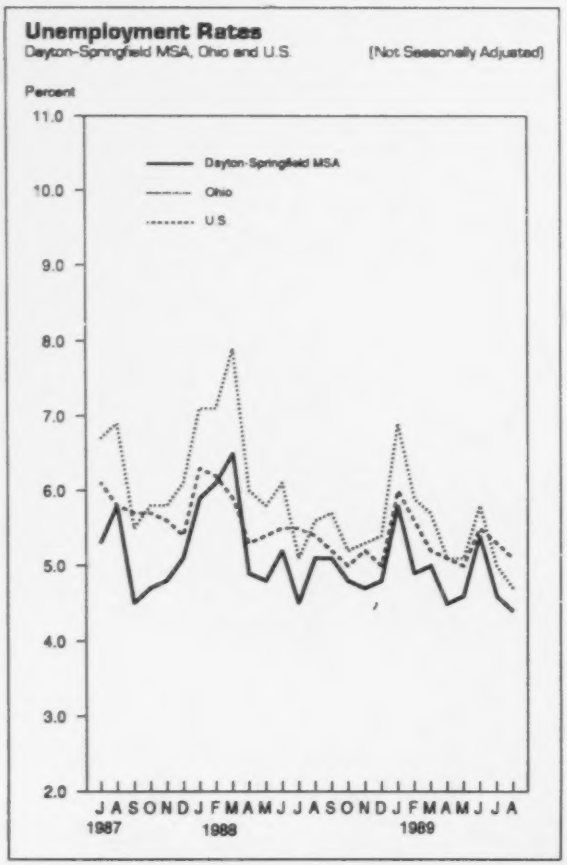
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



Nonfarm wage and salary employment in the Dayton-Springfield metropolitan area rose 8,400 above the August level to 456,600 in September 1989. The return of nonteaching personnel in local public schools and in private schools raised nonmanufacturing employment 8,000. Manufacturing employment increased 400 to 104,600. Gains in transportation equipment, printing and publishing, and rubber and miscellaneous plastics products outweighed a decline in paper and allied products. Factory production workers averaged $12.99 per hour, $.27 higher than August. Their average workweek of 42.7 hours was .9 hours longer.

Nonagricultural payroll employment advanced 13,800 between September 1988 and September 1989. The growth was concentrated in the nonmanufacturing sector. Significant improvements occurred in services, especially business and health services, federal and local government, retail trade, and construction. The number of manufacturing jobs declined 800 over the year. Noteworthy reductions were registered in transportation equipment, rubber and miscellaneous plastics products, and paper and allied products.





Dayton-Springfield MSA Labor Force and Employment Data

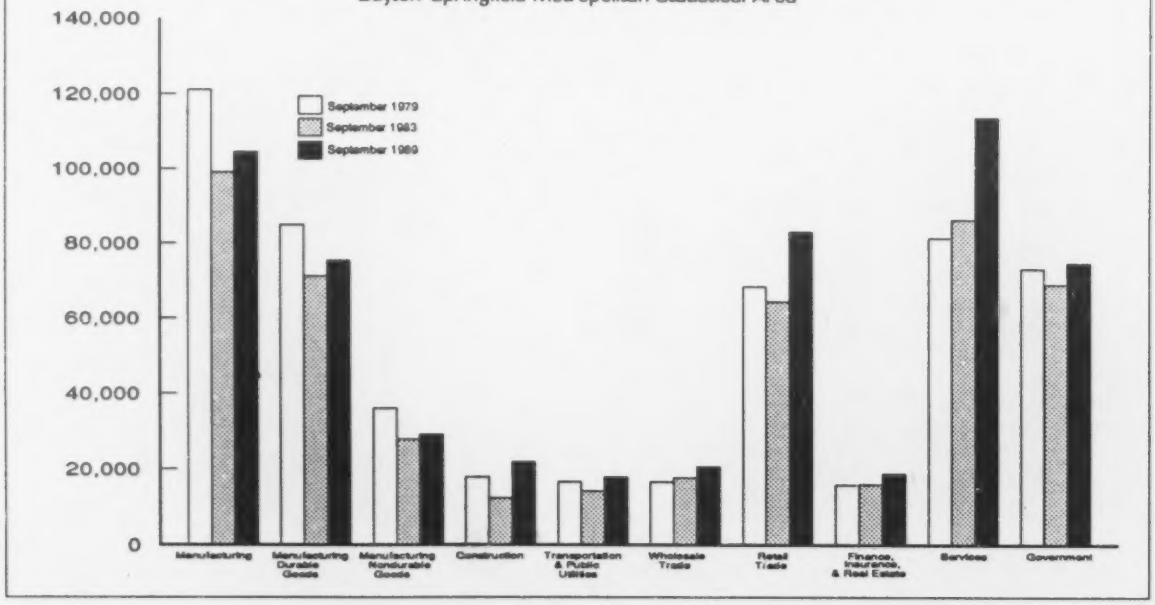
(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
463.8	437.7	26.2	5.6	1987	429.8	104.3	67.1	499.38	42.0	11.89
469.0	444.6	24.4	5.2	1988	436.7	104.5	67.2	546.41	43.4	12.59
				1988						
469.6	445.8	23.8	5.1	August	432.6	104.3	66.6	522.44	42.2	12.38
467.3	443.3	24.0	5.1	September	442.8	105.4	68.1	552.41	43.6	12.67
474.9	452.1	22.8	4.8	October	445.0	104.8	67.7	573.69	44.3	12.95
475.8	453.5	22.3	4.7	November	450.3	105.3	68.2	580.69	44.6	13.02
475.2	452.5	22.7	4.8	December	448.2	105.5	68.3	574.98	44.4	12.95
				1989						
475.4	447.9	27.5	5.8	January	438.2	104.9	67.7	576.83	44.1	13.08
475.7	452.3	23.4	4.9	February	438.6	104.7	67.5	565.93	43.6	12.98
475.7	451.9	23.8	5.0	March	441.3	104.9	67.6	563.77	43.3	13.02
475.2	453.7	21.5	4.5	April	447.4	104.8	67.6	555.13	43.1	12.88
478.6	456.4	22.2	4.6	May	449.7	104.6	67.3	555.56	43.1	12.89
489.0	462.5	26.5	5.4	June	451.3	105.0	67.5	554.70	43.1	12.87
486.7	464.1	22.6	4.6	July	447.2	103.8	65.9	540.18	42.4	12.74
486.1	464.8	21.2	4.4	August	448.2	104.2	66.2	531.70	41.8	12.72
INA	INA	INA	INA	September	456.6	104.6	66.7	554.67	42.7	12.99

INA – information not available

Employment in Manufacturing and Nonmanufacturing Industries

Dayton-Springfield Metropolitan Statistical Area



Nonagricultural Wage and Salary Employment[a]

Dayton-Springfield MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	456.6	448.2	442.8	8.4	13.8
Manufacturing	104.6	104.2	105.4	.4	-.8
Durable Goods[e]	75.5	75.2	75.7	.3	-.2
Fabricated metal products	8.4	8.5	8.5	.0	.0
Machinery, except electrical	30.6	30.5	30.7	.0	-.1
Metalworking machinery	6.6	6.7	6.6	.0	.1
General industrial machinery	2.9	2.9	2.8	.0	.0
Electric and electronic equipment	5.8	5.8	5.7	.0	.1
Electrical industrial apparatus	3.3	3.4	3.2	.0	.1
Transportation equipment	20.6	20.3	21.1	.3	-.5
Nondurable Goods[f]	29.1	29.0	29.8	.1	-.6
Food and kindred products	3.1	3.1	3.1	.0	.0
Paper and allied products	5.7	5.8	5.9	-.2	-.3
Printing and publishing	8.9	8.8	9.0	.1	-.1
Rubber and misc. plastics products	7.5	7.4	7.9	.1	-.4
Nonmanufacturing[g]	352.0	344.0	337.4	8.0	14.7
Construction	21.9	22.0	19.7	-.1	2.2
Transportation and Public Utilities	17.9	17.7	17.1	.1	.7
Communication, electric, gas services	5.2	5.2	5.7	.0	-.5
Wholesale Trade	20.6	20.6	19.9	.0	.7
Wholesale trade-durable goods	14.0	14.0	13.7	.0	.3
Retail Trade	83.3	83.0	80.7	.3	2.6
General merchandise stores	12.0	11.8	11.7	.1	.2
Finance, Insurance, and Real Estate	18.7	18.8	18.2	-.1	.5
Banking	4.2	4.3	4.2	-.1	.0
Credit agencies other than banks	4.9	4.8	4.8	.1	.1
Insurance carriers	3.2	3.2	3.0	.0	.2
Services	114.1	111.8	109.0	2.3	5.0
Business services	28.4	28.3	26.3	.1	2.1
Health services	38.4	38.4	37.3	-.1	1.1
Hospitals	19.8	19.8	19.4	.0	.4
Educational services	8.4	5.4	8.6	3.0	-.2
Government	75.2	69.7	72.3	5.5	2.8
Federal government	29.1	29.5	27.2	-.5	1.8
State government	6.4	6.5	6.4	-.1	.0
State government education[h]	3.5	3.5	3.4	.0	.1
State government, except education	2.9	3.0	2.9	-.1	-.1
Local government	39.7	33.7	38.7	6.0	.9
Local government education	24.2	17.9	23.7	6.3	.5
Local government, except education	15.5	15.8	15.0	-.3	.4

Hours and Earnings of Production or Nonsupervisory Workers[a]

Dayton-Springfield MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$554.67	$531.70	$552.41	42.7	41.8	43.6	$12.99	$12.72	$12.67
Durable Goods[e]	565.35	546.46	560.64	42.7	42.1	43.8	13.24	12.98	12.80
Fabricated metal products	415.78	394.83	380.02	42.6	41.0	40.6	9.76	9.63	9.36
Machinery, except electrical	594.86	584.47	598.95	43.2	42.6	45.0	13.77	13.72	13.31
Metalworking machinery	608.75	583.95	585.68	47.3	45.8	47.5	12.87	12.75	12.33
General industrial machinery	451.88	494.94	506.21	40.6	43.8	45.4	11.13	11.30	11.15
Electric and electronic equipment	430.43	449.24	451.80	43.0	44.0	44.6	10.01	10.21	10.13
Electrical industrial apparatus	522.76	566.84	541.65	43.6	46.5	47.1	11.99	12.19	11.50
Transportation equipment	726.02	679.00	699.43	43.5	42.2	44.1	16.69	16.09	15.86
Nondurable Goods[f]	520.63	486.71	529.70	42.5	40.9	43.1	12.25	11.90	12.29
Food and kindred products	351.24	348.88	355.28	40.7	40.9	41.7	8.63	8.53	8.52
Paper and allied products	515.94	487.13	509.81	45.1	43.3	45.6	11.44	11.25	11.18
Printing and publishing	494.62	469.17	461.68	41.6	40.1	39.8	11.89	11.70	11.60
Rubber and misc. plastics products	676.91	620.52	719.52	41.3	39.1	43.9	16.39	15.87	16.39
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	579.44	587.39	554.04	41.3	41.6	40.5	14.03	14.12	13.68
Wholesale Trade	399.17	398.59	405.90	39.6	39.7	39.6	10.08	10.04	10.25
Retail Trade[h]	176.08	175.60	163.29	28.4	28.6	28.3	6.20	6.14	5.77
Services	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	386.66	386.66	355.91	34.4	34.4	33.8	11.24	11.24	10.53

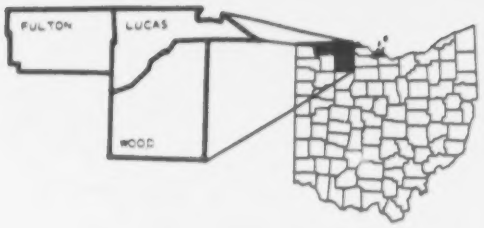
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Dayton-Springfield MSA

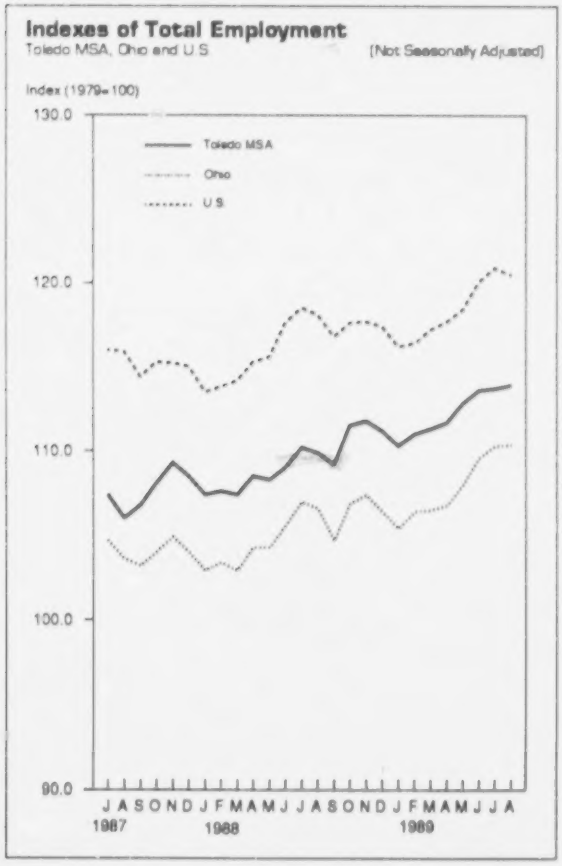
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,969	2,934	2,315
Active File of Job Seekers	11,761	15,940	12,538
Referrals to Jobs	1,647	4,632	1,665
Placements	426	3,412	725
Job Openings Received	699	7,630	1,109
Job Openings Unfilled	3,225	3,586	2,065
Unemployment Insurance Program			
Initial Claims	5,647	5,698	2,523
Continued Claims	19,875	26,844	18,407
First Payments	2,428	2,100	1,407
Last Payments	343	399	346
Weeks Compensated	16,509	19,692	16,098
Benefits Paid	$2,552,325	$2,960,164	$2,323,997
Average Weekly Payment	$161.72	$157.83	$147.37

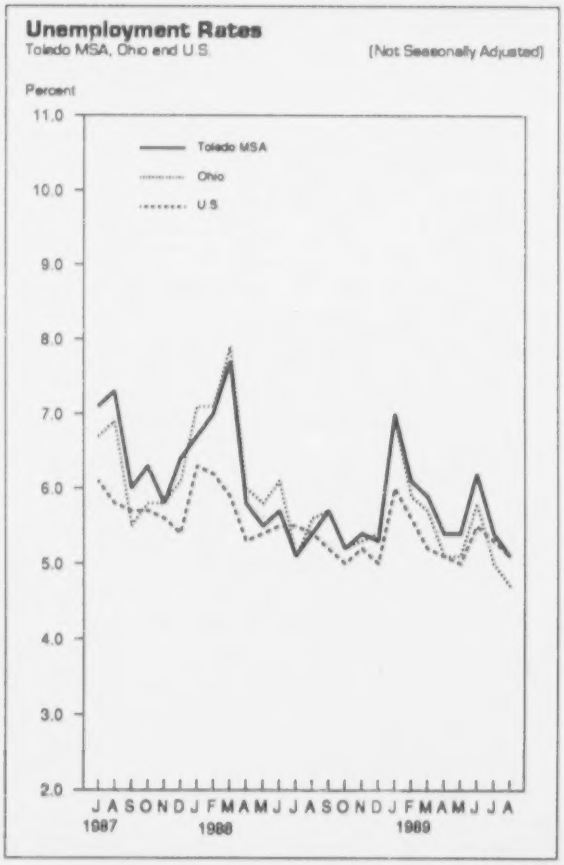
TOLEDO
METROPOLITAN STATISTICAL AREA



Nonfarm payroll employment in the Toledo metropolitan area totaled 298,700 in September 1989, increasing 7,100 above the August level. The return of nonteaching personnel in state and local schools and colleges and more business in services raised nonmanufacturing employment 7,400. Manufacturing employment decreased 200 over the month to 61,400. A decline in transportation equipment negated a seasonal increase in food and kindred products. Factory production workers averaged $13.31 per hour, little changed from August. Their average workweek of 43.6 hours was .3 hours longer.

Nonagricultural wage and salary employment advanced 9,200 between September 1988 and September 1989. The improvement was concentrated in the nonmanufacturing sector with significant expansion in services, especially business services, retail trade, and construction. Manufacturing employment dropped 2,200 during the period. Noteworthy reductions occurred in transportation equipment, fabricated metal products, primary metal industries, and food and kindred products.



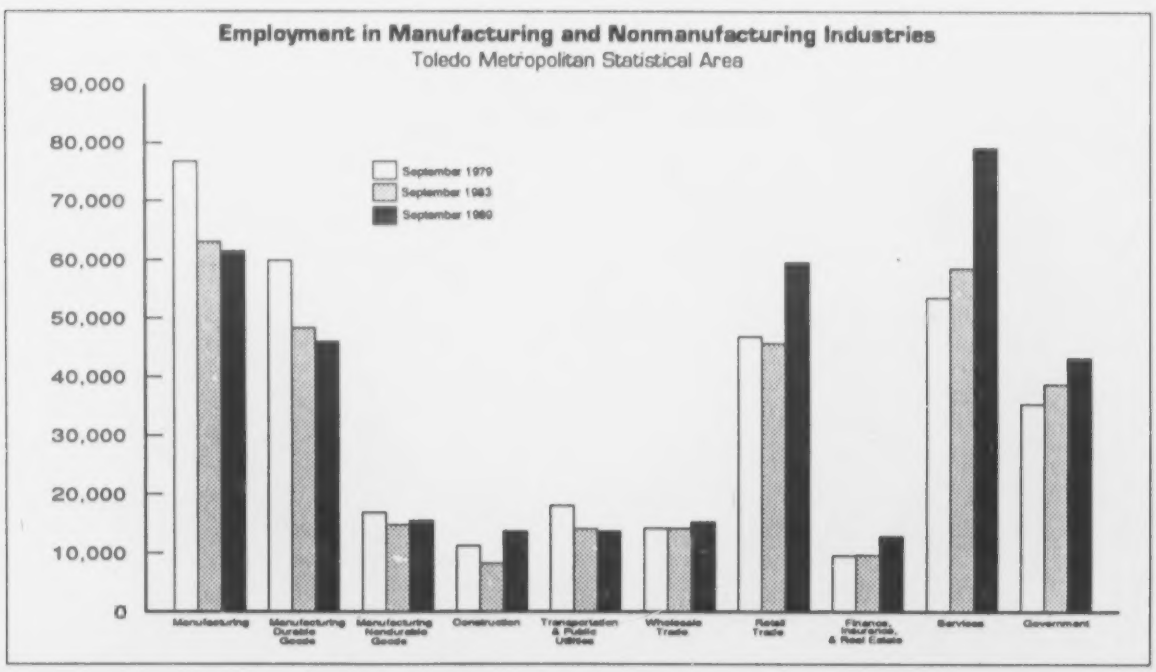


Toledo MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
307.6	285.1	22.5	7.3	1987	278.0	62.2	43.7	540.60	42.5	12.72
310.3	292.1	18.2	5.9	1988	284.9	62.5	44.8	569.41	43.4	13.12
				1988						
310.5	293.6	16.9	5.4	August	282.9	63.3	45.5	549.95	42.5	12.94
309.4	291.7	17.7	5.7	September	289.5	63.6	45.8	586.49	44.6	13.15
314.1	297.9	16.2	5.2	October	291.3	62.8	45.0	585.64	44.4	13.19
315.6	298.6	17.0	5.4	November	294.5	62.6	44.9	605.69	45.1	13.43
313.6	297.0	16.6	5.3	December	292.4	62.4	44.6	589.19	44.3	13.30
				1989						
317.1	294.8	22.3	7.0	January	286.6	62.0	44.4	576.39	43.6	13.22
315.9	296.5	19.4	6.1	February	285.7	61.7	44.2	598.53	44.7	13.39
316.0	297.3	18.7	5.9	March	288.5	61.4	43.9	598.09	44.6	13.41
315.3	298.4	16.9	5.4	April	292.4	61.3	43.8	561.56	42.9	13.09
318.7	301.5	17.2	5.4	May	295.2	61.4	43.9	584.75	43.9	13.32
323.3	303.5	19.9	6.2	June	294.1	62.0	44.3	572.83	43.2	13.26
321.1	303.7	17.4	5.4	July	290.7	61.1	43.4	566.24	42.8	13.23
320.9	304.4	16.5	5.1	August	291.5	61.6	44.0	576.76	43.3	13.32
INA	INA	INA	INA	September	298.7	61.4	44.0	580.32	43.6	13.31

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Toledo MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	298.7	291.5	289.5	7.1	9.2
Manufacturing	61.4	61.6	63.6	-.2	-2.2
Durable Goods[e]	46.0	46.4	47.5	-.5	-1.6
Stone, clay, and glass products	7.6	7.6	7.8	.0	-.2
Primary metal industries	3.3	3.3	3.7	.0	-.3
Fabricated metal products	7.1	7.1	7.5	.0	-.4
Metal forgings and stampings	2.8	2.8	3.2	.0	-.4
Machinery, except electrical	5.7	5.8	5.9	-.1	-.2
Electric and electronic equipment	2.0	2.0	2.1	.0	-.1
Transportation equipment	15.2	15.5	15.7	-.4	-.5
Motor vehicles and equipment	14.2	14.6	14.7	-.4	-.5
Nondurable Goods[f]	15.5	15.2	16.1	.2	-.7
Food and kindred products	4.4	4.2	4.7	.3	-.3
Rubber and misc. plastics products	3.5	3.5	3.7	.0	-.2
Nonmanufacturing[g]	237.3	229.9	225.9	7.4	11.4
Construction	13.6	13.5	11.7	.2	1.9
Transportation and Public Utilities	13.6	13.7	13.4	-.1	.2
Trucking and warehousing	5.8	5.9	5.4	.0	.4
Communication, electric, gas services	4.8	4.8	4.8	.0	.0
Wholesale Trade	15.3	15.3	14.9	.0	.3
Wholesale trade-durable goods	10.2	10.3	10.0	-.1	.2
Retail Trade	59.4	59.2	56.0	.2	3.4
General merchandise stores	8.7	8.6	8.3	.1	.3
Finance, Insurance, and Real Estate	12.7	12.8	12.4	-.1	.4
Banking	3.7	3.7	3.8	.0	.0
Services	79.1	78.5	74.6	.7	4.6
Business services	17.6	17.5	16.0	.1	1.6
Health services	27.7	27.8	27.1	-.1	.6
Hospitals	15.2	15.2	14.9	-.1	.3
Government	43.2	36.7	42.6	6.5	.6
State government	16.0	12.2	15.3	3.8	.6
State government education[h]	11.7	7.9	11.2	3.8	.5
State government, except education	4.2	4.3	4.2	.0	.1
Local government	24.6	21.9	24.6	2.7	-.1
Local government education	14.1	11.1	14.2	3.0	.0
Local government, except education	10.4	10.8	10.5	-.3	.0

Hours and Earnings of Production or Nonsupervisory Workers[a]

Toledo MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$580.32	$576.76	$586.49	43.6	43.3	44.6	$13.31	$13.32	$13.15
Durable Goods[e]	596.88	586.95	608.34	43.6	43.0	44.6	13.69	13.65	13.64
Stone, clay, and glass products	543.44	574.21	512.48	41.9	43.9	40.1	12.97	13.08	12.78
Primary metal industries	501.16	484.50	504.13	44.0	42.8	44.3	11.39	11.32	11.38
Fabricated metal products	502.61	464.21	536.46	44.4	41.3	43.9	11.32	11.24	12.22
Metal forgings and stampings	596.17	640.90	645.98	40.2	42.5	43.5	14.83	15.08	14.85
Machinery, except electrical	515.89	504.05	509.92	42.6	42.5	42.6	12.11	11.86	11.97
Electric and electronic equipment	528.28	519.98	583.43	42.5	41.9	46.6	12.43	12.41	12.52
Transportation equipment	771.52	760.06	788.76	44.7	44.5	46.7	17.26	17.08	16.89
Motor vehicles and equipment	778.67	766.74	799.18	44.7	44.5	46.9	17.42	17.23	17.04
Nondurable Goods[f]	525.92	541.01	512.90	43.5	44.2	44.6	12.09	12.24	11.50
Food and kindred products	626.85	689.22	632.94	45.0	48.4	48.8	13.93	14.24	12.97
Rubber and misc. plastics products	376.25	384.91	361.63	43.0	43.2	43.0	8.75	8.91	8.41
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	618.03	604.45	610.06	41.9	41.6	41.9	14.75	14.53	14.56
Wholesale Trade	406.06	406.61	386.06	39.5	40.1	38.8	10.28	10.14	9.95
Retail Trade[h]	163.67	161.21	157.92	27.6	27.7	28.2	5.93	5.82	5.60

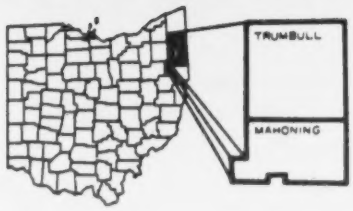
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Toledo MSA

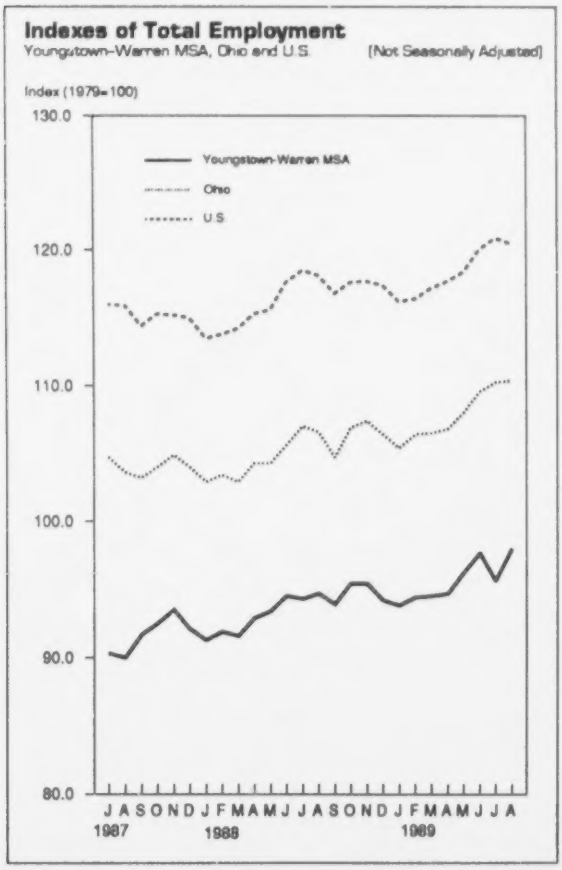
	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	1,794	2,537	2,039
Active File of Job Seekers	11,845	19,477	16,676
Referrals to Jobs	1,289	1,894	1,441
Placements	302	785	470
Job Openings Received	510	2,605	951
Job Openings Unfilled	1,279	1,511	1,749
Unemployment Insurance Program			
Initial Claims	2,721	3,029	2,623
Continued Claims	17,381	21,459	15,889
First Payments	1,155	1,566	1,191
Last Payments	245	348	225
Weeks Compensated	15,695	17,792	13,517
Benefits Paid	$2,585,348	$2,844,241	$2,015,180
Average Weekly Payment	$175.72	$168.65	$152.31

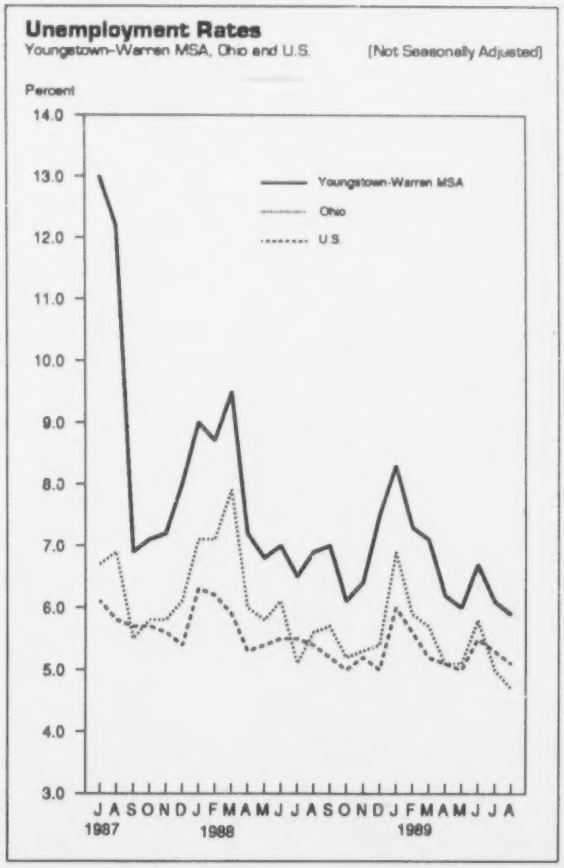
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



In the Youngstown-Warren metropolitan area, nonfarm payroll employment rose 2,700 above the August level to 201,600 in September 1989. The return of nonteaching personnel in local schools and more business in services increased nonmanufacturing employment 2,200. The manufacturing workforce, at 49,400, gained 500 jobs due chiefly to moderate expansion in fabricated metal products. Factory production workers averaged $14.04 per hour, up $.06 from August. Their average workweek of 42.1 hours was .1 hours shorter.

Nonagricultural wage and salary employment advanced 4,000 between September 1988 and September 1989. The improvement was concentrated in the nonmanufacturing sector. Leading growth industries were services (+3,000), retail trade (+1,900), and construction (+1,100). A significant reduction in primary metal industries (-1,700) and modest declines in transportation equipment and fabricated metal products lowered manufacturing employment 2,400 over the year.



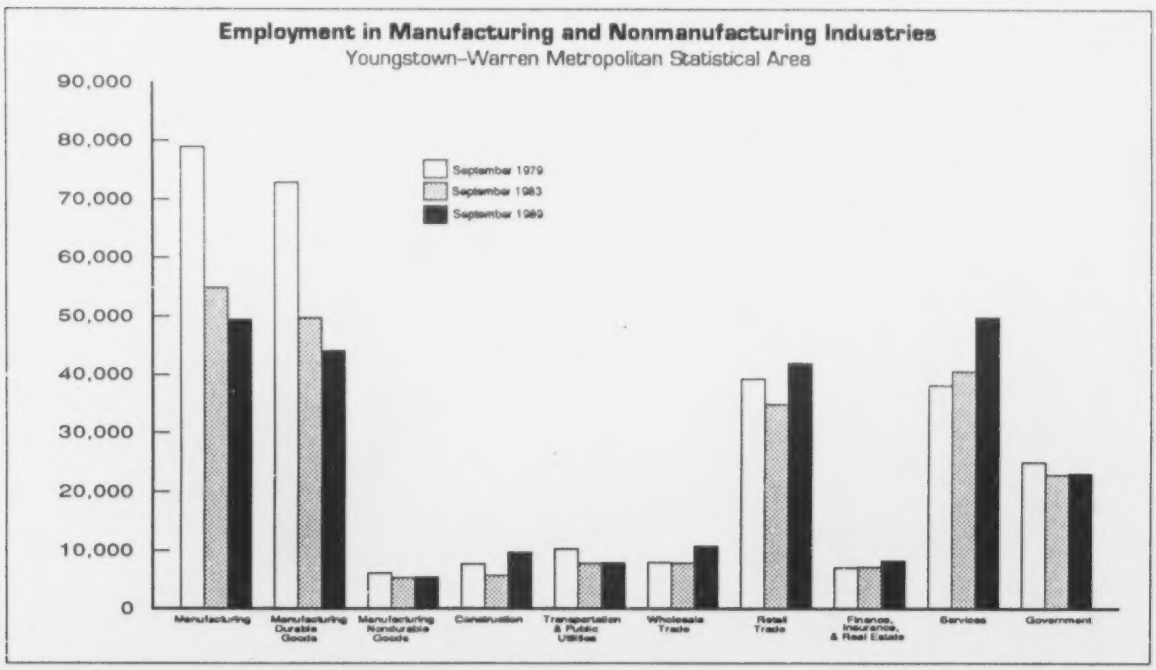


Youngstown-Warren MSA Labor Force and Employment Data

(Employed and Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
						Manufacturing Employment				
							Manufacturing Production Workers			
								Hours & Earnings		
Total	Employed	Unemployed						Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
		Total	Rate							
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	$353.56	41.4	$ 8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.6	200.0	21.6	9.7	1987	188.3	48.9	36.7	567.91	42.7	13.30
222.3	205.9	16.4	7.4	1988	193.9	50.5	38.5	575.95	42.6	13.52
				1988						
223.8	208.3	15.5	6.9	August	193.8	50.3	38.3	557.44	41.6	13.40
222.0	206.4	15.6	7.0	September	197.6	51.8	39.9	589.81	43.4	13.59
223.3	209.8	13.5	6.1	October	198.0	51.7	39.7	586.09	43.0	13.63
224.0	209.7	14.2	6.4	November	199.8	51.9	39.8	593.71	43.4	13.68
224.0	207.1	16.9	7.5	December	196.7	49.8	37.8	594.21	43.5	13.66
				1989						
224.9	206.2	18.7	8.3	January	193.4	51.1	39.0	599.87	43.5	13.79
223.9	207.5	16.3	7.3	February	193.0	50.6	38.6	586.87	42.9	13.68
223.7	207.8	15.9	7.1	March	194.7	50.3	38.3	593.64	43.3	13.71
222.1	208.3	13.8	6.2	April	197.0	50.1	38.2	586.18	42.6	13.76
225.1	211.5	13.6	6.0	May	200.0	50.1	38.1	600.56	43.4	13.84
230.2	214.9	15.3	6.7	June	201.2	50.2	38.2	588.39	42.3	13.91
223.8	210.2	13.6	6.1	July	194.2	44.7	32.7	580.36	42.3	13.72
228.8	215.4	13.4	5.9	August	198.9	48.9	36.8	589.96	42.2	13.98
INA	INA	INA	INA	September	201.6	49.4	37.3	591.08	42.1	14.04

INA – information not available



Nonagricultural Wage and Salary Employment[a]

Youngstown-Warren MSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1989[b]	August 1989[c]	September 1988[c]	From Last Month	From Last Year
Total	201.6	198.9	197.6	2.7	4.0
Manufacturing	49.4	48.9	51.8	.5	-2.4
Durable Goods[e]	44.0	43.5	46.3	.5	-2.3
Primary metal industries	17.7	17.8	19.4	.0	-1.7
Blast furnace and basic steel products	5.4	5.5	5.8	.0	-.4
Fabricated metal products	7.4	7.0	7.6	.4	-.2
Machinery, except electrical	3.9	3.9	3.7	.0	.2
Electric and electronic equipment	2.2	2.2	2.4	.0	-.1
Transportation equipment	9.5	9.4	10.0	.1	-.5
Nondurable Goods[f]	5.3	5.3	5.4	.0	-.1
Nonmanufacturing[g]	152.3	150.1	145.9	2.2	6.4
Construction	9.7	9.7	8.5	-.1	1.1
Transportation and Public Utilities	7.8	7.9	7.7	-.1	.1
Communication, electric, gas services	2.8	2.8	2.9	.0	-.2
Wholesale Trade	10.8	10.7	10.5	.0	.2
Wholesale trade-durable goods	6.8	6.9	6.7	.0	.2
Retail Trade	42.0	42.0	40.1	.0	1.9
General merchandise stores	5.2	5.2	5.2	.0	.0
Finance, Insurance, and Real Estate	8.3	8.4	8.4	-.1	-.1
Banking	2.8	2.8	2.8	.0	.0
Services	49.8	49.1	46.8	.7	3.0
Health services	21.3	21.3	20.6	.0	.7
Hospitals	11.0	11.0	10.7	.0	.3
Government	23.2	21.5	23.1	1.6	.1
State government	3.3	3.4	3.3	-.1	.0
State government education[i]	1.8	1.9	1.8	.0	.0
State government, except education	1.5	1.6	1.5	-.1	.0
Local government	17.7	16.0	17.7	1.7	.0
Local government education	11.2	9.2	11.3	2.1	-.1
Local government, except education	6.5	6.8	6.4	-.3	.1

Hours and Earnings of Production or Nonsupervisory Workers[a]

Youngstown-Warren MSA

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]	Sep. 1989[b]	Aug. 1989[c]	Sep. 1988[c]
Manufacturing	$591.09	$589.96	$589.81	42.1	42.2	43.4	$14.04	$13.98	$13.59
Durable Goods[e]	603.71	602.19	605.17	42.1	42.2	43.6	14.34	14.27	13.88
Primary metal industries	651.77	655.32	653.17	41.7	41.9	43.4	15.63	15.64	15.05
Blast furnace and basic steel products	630.65	627.86	610.16	45.6	45.3	45.5	13.83	13.86	13.41
Fabricated metal products	614.70	577.11	555.03	45.0	43.1	41.7	13.66	13.39	13.31
Machinery, except electrical	511.46	512.62	503.86	42.2	42.4	43.7	12.12	12.09	11.53
Electric and electronic equipment	475.02	477.41	469.96	40.6	40.7	41.7	11.70	11.73	11.27
Transportation equipment	635.90	648.87	668.84	41.4	43.0	46.0	15.36	15.09	14.54
Nondurable Goods[f]	456.96	460.57	425.15	42.0	42.1	41.6	10.88	10.94	10.22
Transportation and Public Utilities	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	596.55	591.60	563.58	41.0	40.8	40.4	14.55	14.50	13.95
Wholesale Trade	387.48	377.72	371.84	39.1	38.9	39.6	9.91	9.71	9.39
Retail Trade[h]	182.65	184.90	175.47	28.1	28.8	29.1	6.50	6.42	6.03

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

Youngstown-Warren MSA

	Sept. 1989	August 1989	Sept. 1988
Employment Service Program			
New Applicants	2,269	2,576	2,736
Active File of Job Seekers	15,177	24,966	17,310
Referrals to Jobs	1,412	1,570	1,450
Placements	405	371	366
Job Openings Received	691	1,454	518
Job Openings Unfilled	696	857	1,279
Unemployment Insurance Program			
Initial Claims	2,882	3,071	2,170
Continued Claims	14,522	19,060	14,056
First Payments	978	1,724	1,278
Last Payments	210	257	220
Weeks Compensated	13,278	15,980	12,074
Benefits Paid	$1,893,724	$2,387,358	$1,722,414
Average Weekly Payment	$151.16	$158.61	$145.91

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	42	.2
Manufacturing	57	.3
Nonmanufacturing	38	.2
Mining	52	1.4
Construction	19	1.4
Transportation and Public Utilities	45	.3
Wholesale Trade	22	.4
Retail Trade	21	.4
Finance, Insurance, and Real Estate	43	.3
Services	34	.3
Government	71	.2

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1988 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

	Ohio		
	September 1989	August 1989	September 1988
New Applicants	32,204	43,692	36,557
Active File of Job Seekers	198,252	295,274	249,362
Counseling Interviews	740	807	1,297
Tests Administered	1,314	1,638	2,089
General Aptitude Tests	122	96	268
Proficiency Tests	315	402	380
Specific Aptitude Tests	133	192	322
Referrals to Jobs	25,216	30,703	26,723
Placements	5,770	11,687	6,724
Job Openings Received	11,497	44,961	12,301
Job Openings Unfilled	22,687	24,892	28,473

Selected Unemployment Insurance Activities

	Ohio		
	September 1989	August 1989	September 1988
Initial Claims	44,673	50,739	36,030
Continued Claims	267,086	343,575	274,747
First Payments	17,999	23,255	17,918
Last Payments	4,555	6,004	4,871
Average Weekly Claimants	65,735	72,760	64,414
Average Weekly Benefit Recipients	53,978	59,744	53,834
Weeks Compensated	226,751	282,116	232,742
Benefits Paid	$34,922,857	$43,065,986	$35,206,112
Average Weekly Payment	$161.09	$159.68	$154.62
Continued Claims for Survey Week	65,334	70,095	60,958
Insured Unemployment Rate	1.5	1.6	1.5
Net Contributions	INA	$123,951,831	$3,092,776
Active Employer Accounts	204,610	204,563	201,088

INA = Information Not Available